ELSEVIER

Nuclear Instruments and Methods in Physics Research A 352 (1995) 670–685

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

Author index

Abe, I., see Kamikubota, N. 352 (1994) 131
Abie, H., G. Benincasa, G. Coudert, Y. Davydenko, C. Dehavay, R. Gavaggio, G. Gelato, W. Heinze, M. Legras, H. Lustig, L. Merard, T. Pearson, P. Strubin and J. Tedesco, Control protocol: large scale implementation at the CERN PS complex – a first assessment 352 (1994) 265
Abrami, A., see Mignacco, M. 352 (1994) 67
Aguer, M., see Buono, S. 352 (1994) 213
Aguer, M., see Buono, S. 352 (1994) 383
Ahn, S., J.F. Bartlett, N. Denisenko, S. Fuess, A. Jonckheere, S. Krzywdzinski, L. Paterno, H. Prosper, R. Raja, J. Featherly, B. Gibbard and L. Rasmussen, Control and monitoring of the DØ detector 352 (1994) 250
Aimar, A., see Mertens, V. 352 (1994) 144
Aimar, A., see Carlier, E. 352 (1994) 173
Aimar, A., see Mertens, V. 352 (1994) 427
Aizatsky, N.I., see Boriskin, V.N. 352 (1994) 61
Akchurin, Yu.I., see Boriskin, V.N. 352 (1994) 61
Akiyama, A., see Mimashi, T. 352 (1994) 128
Akiyama, A., see Navratil, J. 352 (1994) 361
Albrand, S. and J.-C. Ravel, Small can be beautiful 352 (1994) 521
Albrow, M., see Aota, S. 352 (1995) 557
Alfimenkov, V.P., Yu.D. Mareev, V.V. Novitsky, L.B. Pikelner, V.R. Skoy, C.R. Gould, D.G. Haase and N.R. Roberson, Measurements of epithermal neutron depolarization using a polarized rare earth target 352 (1995) 592
Alkire, R.W., M. Sagurton, F.D. Michaud, W.J. Trela, R.J. Bartlett and R. Rothe, Performance of beamline X8C at the NSLS 352 (1995) 535
Ambrosini, G., see Buono, S. 352 (1994) 213
Ambrosini, G., see Buono, S. 352 (1994) 383
Aničić, D., see Blumer, T. 352 (1994) 150
Aničić, D., see Šoštarić, Z. 352 (1994) 407
Aota, S., T. Asakawa, K. Hara, E. Hayashi, S. Kim, K. Kondo, T. Kuwabara, S. Miyashita, H. Nakada, I. Nakano, Y. Seiya, K. Takikawa, H. Toyoda, T. Uchida, K. Yasuoka, M. Mishina, J. Iwai, M. Albrow, J. Freeman and P.J. Limon, A scintillating tile/fiber system for the CDF plug upgrade EM calorimeter 352 (1995) 557
Araki, S., see Mimashi, T. 352 (1994) 128
Araki, S., see Urakawa, J. 352 (1994) 207
Asakawa, T., see Aota, S. 352 (1995) 557
Assis-Arantes, P., see Racaud, T. 352 (1994) 447
Avot, L., see Rijllart, A. 352 (1994) 480

Bacci, C., C. Bencze, R. Cardarelli, F. Ceradini, G. Ciapetti, A. Di Ciaccio, F. Lacava, A. Nisati, D. Orestano, E. Petrolo, L. Pontecorvo, E. Radermacher, R. Santonico, C. Seez, F. Szoncso, S. Veneziano, M. Verzocchi, G. Walzel, G. Wrochna, C.E. Wulz and L. Zanello, Test of a resistive plate chamber operating with low gas amplification at high intensity beams 352 (1995) 552
Bailey, R., P. Collier and M. Lamont, Performance of the high level application software during LEP operation 352 (1994) 350
Bailey, R., A. Belk, P. Collier, M. Lamont, G. de Rijk and M. Tarrant, Development of the LEP high level control system using ORACLE as an online database 352 (1994) 430
Banta, P., see Hunt, S. 352 (1994) 254
Barale, F., see Chaize, J.M. 352 (1994) 103
Baran, A., see Rapaport, M.S. 352 (1995) 652
Bardik, Yu., A. Dunaitsev, E. Kallistratov, L. Kim, V. Komarov, V. Kovaltsov, A. Lukyantsev, A. Machnachev, A. Matyushin, G. Obukhov, V. Soloviev, A. Sytin, Yu. Tchernoousko, G. Tishin, N. Trofimov and P. Vetrov, Toolkit for UNK equipment controllers development 352 (1994) 421
Barillere, R., H. Cabel, B. Chan, I. Goulas, J.M. Le Goff, L. Vinot, C. Willmott, H. Milcent and P. Huuskonen, The Cortex project. A quasi-real-time information system to build control systems for high energy physics experiments. 352 (1994) 492
Barker, D., see Watson III, W.A. 352 (1994) 118
Barnes, C.W., see Mead, W.C. 352 (1994) 309

0168-9002/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Baron, A.Q.R., Report on the X-ray efficiency and time response of a 1 cm^2 reach through avalanche diode (*Letter to the Editor*) . . . 352 (1995) 665
Bartlett, J.F., see Ahn, S. . . . 352 (1994) 250
Bartlett, R.J., see Alkire, R.W. . . . 352 (1995) 535
Barton, D.S., Controls for RHIC, a progress report . . . 352 (1994) 6
Basiti, S., see Moore, T. . . . 352 (1994) 50
Baturitsky, M.A., V.A. Chekhovsky, I.F. Emel'yanchik, N.M. Shumeiko, I.A. Golutvin, N.I. Zamyatin and O.V. Dvornikov, Charge-sensitive preamplifier IC for silicon calorimetry at colliders . . . 352 (1995) 604
Becker-Szendy, R., R.M. Bionta, C.B. Bratton, D. Casper, R. Claus, B. Cortez, S.T. Dye, S. Errede, G.W. Foster, W. Gajewski, K. Ganezer, M. Goldhaber, T.J. Haines, P.G. Halverson, E. Hazen, T.W. Jones, D. Kielczewska, W.R. Kropp, J.G. Learned, J.M. Losecco, S. Matsuno, J. Matthews, G. McGrath, C. McGrew, R. Miller, M.S. Mudan, H.S. Park, L.R. Price, F. Reines, J. Schultz, S. Seidel, D. Sinclair, H.W. Sobel, J.L. Stone, L.R. Sulak, R. Svoboda, G. Thornton, J.C. van der Velde and C. Wuest, Calibration of the IMB detector . . . 352 (1995) 629
Belk, A., see Bailey, R. . . . 352 (1994) 430
Benck, E.C., see Schuessler, H.A. . . . 352 (1995) 583
Bencze, C., see Bacci, C. . . . 352 (1995) 552
Benincasa, G., see Abie, H. . . . 352 (1994) 265
Bickley, M., see Watson III, W.A. . . . 352 (1994) 118
Bigazzi, G., J.C. Hadler N., P.J. Iunes, M. Oddone, S.R. Paulo and A. Zúñiga G., Absolute thermal neutron fluence determination by thin film of natural uranium . . . 352 (1995) 588
Biggs, R., see Dohan, D.A. . . . 352 (1994) 393
Biggs, R., see Osberg, E.A. . . . 352 (1994) 434
Billen, R., F. Bordry, C. Delamare, E. Hatziangeli and F. Roeber, LEP accelerator logging system using on-line database . . . 352 (1994) 296
Billinge, R. and G. Shering, Controls and informatics – the integration issue . . . 352 (1994) 244
Bionta, R.M., see Becker-Szendy, R. . . . 352 (1995) 629
Bishop, D., G. Waters, D. Dale, T. Ewert, D. Harrison, J. Lam and R. Keitel, Development of an autonomous 32-bit intelligent device controller . . . 352 (1994) 236
Bjorklund, E., Virtual data . . . 352 (1994) 293
Bland, A., Installation and management of the SPS and LEP control system computers . . . 352 (1994) 357
Block, R.C., see Danon, Y. . . . 352 (1995) 596
Blumer, T., D. Aničić, I. Jirousek, A. Mezger, L. Sekolec and Z. Šoštarić, Status report of the PSI accelerator control system, the tools provided for operation of the accelerator . . . 352 (1994) 150
Bobbio, P., see Mertens, V. . . . 352 (1994) 144
Bohn, H.U., see Lucas, P. . . . 352 (1994) 484
Boissevain, J., see Shaheen, S. . . . 352 (1995) 573
Bongers, N., U. Hacker, K. Henn, M. Simon, T. Vashegyi and A. Weinert, Steering and timing system solutions at the COSY accelerator facility . . . 352 (1994) 193
Bordry, F., see Billen, R. . . . 352 (1994) 296
Boriskin, V.N., N.I. Aizatsky, Yu.I. Akchurin, V.A. Gurin, N.V. Demidov, A.N. Dovbnya, A.V. Zavada, V.A. Kushnir, S.P. Levandovsky, V.V. Mitrochenko, A.N. Savchenko, Yu.D. Tur and V.L. Uvarov, Control system for a linear resonance accelerator of intense electron beams . . . 352 (1994) 61
Bork, R., see Moore, T. . . . 352 (1994) 50
Bortolotto, C., see Potepan, F. . . . 352 (1994) 342
Bossom, J., see Dohan, D.A. . . . 352 (1994) 393
Bossom, J., see Osberg, E.A. . . . 352 (1994) 434
Botlo, M., see Bourianoff, G. . . . 352 (1994) 333
Bouche, J.-M., J. Cuperus and M. Lelaizant, The data driven alarm system for the CERN PS accelerator complex . . . 352 (1994) 196
Bourianoff, G., B. Cole, M. Botlo, S. Hunt, A. Romero, N. Malitsky and A. Reshetov, Simulation facility for development of high level control code at the SSC . . . 352 (1994) 333
Bowling, P.S., see Mead, W.C. . . . 352 (1994) 309
Bozoki, E., see Friedman, A. . . . 352 (1994) 339
Brahy, D., see Rijllart, A. . . . 352 (1994) 480
Brahy, J., see Momal, F. . . . 352 (1994) 464
Bratton, C.B., see Becker-Szendy, R. . . . 352 (1995) 629
Bretin, J.L., see Carlier, E. . . . 352 (1994) 173
Brown, Jr., W., see Young, J. . . . 352 (1994) 112
Brown, S.K., see Mead, W.C. . . . 352 (1994) 309
Brownless, D.M. and P.D. Burton, Sharing limited Ethernet resources with a client–server model . . . 352 (1994) 224
Brummer, P.J., The data exchange between LEP machine and its experiments – Recent developments . . . 352 (1994) 285
Bruzzi, M., TSC data-analysis on heavily irradiated silicon detectors . . . 352 (1995) 618

Buchinger, F., see Schuessler, H.A. . . . 352 (1995) 583
Bulfone, D., Status and prospects of the ELETTRA control system . . . 352 (1994) 63
Buono, S., I. Gaponenko, R. Jones, L. Mapelli, G. Mornacchi, D. Prigent, E. Sanchez-Corral, M. Skiadelli, A. Toppers, P.Y. Duval, D. Ferrato, A. Le Van Suu, Z. Qian, C. Rondot, G. Ambrosini, G. Fumagalli, M. Aguer and M. Huet, Real-time UNIX in HEP data acquisition . . . 352 (1994) 213
Buono, S., I. Gaponenko, R. Jones, A. Khodabandeh, L. Mapelli, G. Mornacchi, D. Prigent, E. Sanchez-Corral, M. Skiadelli, A. Toppers, P.Y. Duval, D. Ferrato, A. Le Van Suu, Z. Qian, C. Rondot, G. Ambrosini, G. Fumagalli, G. Polesello, M. Aguer and M. Huet, Software engineering techniques and CASE tools in RD13 . . . 352 (1994) 383
Burton, P.D., see Brownless, D.M. . . . 352 (1994) 224

Cabel, H., see Barillere, R. . . . 352 (1994) 492
Callot, O., see Mato, P. . . . 352 (1994) 247
Cameron, W., see Mato, P. . . . 352 (1994) 247
Cardarelli, R., see Bacci, C. . . . 352 (1995) 552
Carlier, E., see Mertens, V. . . . 352 (1994) 144
Carlier, E., A. Aimar, J.L. Bretin, A. Marchand, V. Mertens and H. Verhagen, The control system for the LEP beam dump . . . 352 (1994) 173
Carlier, E., see Mertens, V. . . . 352 (1994) 427
Carter, H.K., see Schuessler, H.A. . . . 352 (1995) 583
Casper, D., see Becker-Szendy, R. . . . 352 (1995) 629
Catani, L., G. Di Pirro, C. Milardi, A. Stecchi and L. Trasatti, Commissioning and operation of the control system of the LISA superconducting linac . . . 352 (1994) 71
Cattaneo, M., see Mato, P. . . . 352 (1994) 247
Cazan, A., see Rohrer, L. . . . 352 (1994) 82
Ceradini, F., see Bacci, C. . . . 352 (1995) 552
Chaize, J.-M., see Götz, A. . . . 352 (1994) 22
Chaize, J.M., F. Barale, L. Claustre and P. Pinel, An object-oriented linac control system . . . 352 (1994) 103
Chan, B., see Barillere, R. . . . 352 (1994) 492
Charrue, P., see Trofimov, N. . . . 352 (1994) 274
Chekhovsky, V.A., see Baturitsky, M.A. . . . 352 (1995) 604
Chen, J., see Jan, G.J. . . . 352 (1994) 33
Chen, J., see Wang, C.J. . . . 352 (1994) 300
Chen, J.S., see Jan, G.J. . . . 352 (1994) 33
Chen, J.S., see Wang, C.J. . . . 352 (1994) 300
Chepurnov, A.S., I.V. Gribov, K.A. Gudkov, A.V. Shumakov and V.I. Shvedunov, Smart feedback loops . . . 352 (1994) 306
Chikada, Y., see Sasaki, T. . . . 352 (1994) 75
Chillara, K., see Dohan, D.A. . . . 352 (1994) 393
Chillara, K., see Osberg, E.A. . . . 352 (1994) 434
Ciapetti, G., see Bacci, C. . . . 352 (1995) 552
Ciriani, P., see Saban, R. . . . 352 (1994) 461
Claus, R., see Becker-Szendy, R. . . . 352 (1995) 629
Clausen, M., Controls for the Tesla test facility status and future plans . . . 352 (1994) 16
Clausen, M., Chr. Gerke, U. Knopf, S. Rettig and B. Schoeneburg, Cryogenic controls for the TESLA test facility . . . 352 (1994) 19
Clausen, M., see Dalesio, L.R. . . . 352 (1994) 179
Clausen, M., G. Csuka, G. Grygel and P. Shevtsov, On the use of the VAXELN toolkit for the cryogenic controls at DESY . . . 352 (1994) 458
Clausen, M., see Kuiper, B. . . . 352 (1994) 505
Claustre, L., see Chaize, J.M. . . . 352 (1994) 103
Clout, P., The status of Vsystem . . . 352 (1994) 442
Clout, P., Conference closing remarks . . . 352 (1994) 525
Clout, P., see Kuiper, B. . . . 352 (1994) 505
Cole, B., see Bourianoff, G. . . . 352 (1994) 333
Collier, P., see Bailey, R. . . . 352 (1994) 350
Collier, P., see Bailey, R. . . . 352 (1994) 430
Collier, W., see Shaheen, S. . . . 352 (1995) 573
Collins, J., see Jones, W.P. . . . 352 (1994) 53
Cork, C., see Young, J. . . . 352 (1994) 112
Corker, V., N. Kallas, S. Lee, D. Murray, J. Wang and J. Zatopek, Software architecture of the SSC accelerator systems string test . . . 352 (1994) 47
Cortez, B., see Becker-Szendy, R. . . . 352 (1995) 629

Coudert, G., see Abie, H. 352 (1994) 265
Coulter, K.J. and G.J. Nawrocki, Survey of hardware supported by the control system at the Advanced Photon Source. 352 (1994) 201
Coulter, K.J., A rule-based expert system for generating control displays at the Advanced Photon Source 352 (1994) 329
Crivello, S., see Hunt, S. 352 (1994) 239
Csonka, P.L., Opportunity for intense multi-100 MeV γ-ray beams for nuclear physics research 352 (1995) 579
Csuka, G., see Clausen, M. 352 (1994) 458
Cuisinier, G., F. Perriollat, P. Ribeiro, A. Kagarmanov and V. Kovaltsov, NODAL – The second life of the accelerator control language 352 (1994) 94
Cuperus, J., see Bouche, J.-M. 352 (1994) 196
Cuperus, J., F. Di Maio and C.H. Sicard, The operator interface to the equipment of the CERN PS accelerators 352 (1994) 346
Cussen, L.D., J.C. Osborn, P. Gibbs and T.J. Hicks, Erratum to "The use of a pseudo-random spin flipper sequence on a polarised neutron scattering instrument" [Nucl. Instr. and Meth. A 314 (1992) 155–162] 352 (1995) 668

Daems, G., V. Filimonov, V. Homutnikov, F. Perriollat, Yu. Ryabov and P. Skarek, A knowledge based control method: application to accelerator equipment setup 352 (1994) 325
Dale, D., see Bishop, D. 352 (1994) 236
Dale, D.J., T. Ewert, D. Harrison, J. Lam and R. Keitel, The TR13 control system for automatic isotope production . . 352 (1994) 79
Dalesio, J., see Dalesio, L.R. 352 (1994) 179
Dalesio, L.R., J.O. Hill, M. Kraimer, S. Lewis, D. Murray, S. Hunt, W. Watson, M. Clausen and J. Dalesio, The experimental physics and industrial control system architecture: past, present, and future 352 (1994) 179
Daneels, A., Behind the scene of experimental physics controls 352 (1994) 1
Danon, Y., R.C. Block and R.E. Slovacek, Design and construction of a thermal neutron target for the RPI linac 352 (1995) 596
David, L., see Luong, T.T. 352 (1994) 96
Davison, B., see Richards, J.E. 352 (1994) 398
Davydenko, Y., see Abie, H. 352 (1994) 265
Dehavay, C., see Abie, H. 352 (1994) 265
Delamare, C., see Billen, R. 352 (1994) 296
Deloose, I. and A. Pace, The ISOLDE control system 352 (1994) 471
Demidov, N.V., see Boriskin, V.N. 352 (1994) 61
Denisenko, N., see Ahn, S. 352 (1994) 250
Dequal, Z., see Mignacco, M. 352 (1994) 67
de Rijk, G., see Bailey, R. 352 (1994) 430
De Saint Jores, P., see Luong, T.T. 352 (1994) 96
Di Ciaccio, A., see Bacci, C. 352 (1995) 552
Diel, D.A., see Mouat, M.M. 352 (1994) 107
Diel, D.A., see Roberts, W.R. 352 (1994) 232
Dieperink, J.H., see Mertens, V. 352 (1994) 144
Di Maio, F., see Cuperus, J. 352 (1994) 346
Di Pirro, G., see Catani, L. 352 (1994) 71
Di Pirro, G., C. Milardi, A. Stecchi and L. Trasatti, DANTE: control system for DAΦNE based on Macintosh and LabVIEW 352 (1994) 455
Dohan, D.A., E. Osberg, R. Biggs, J. Bossom, K. Chillara, R. Richter and D. Wade, RF control at SSCL – an object oriented design approach 352 (1994) 393
Dohan, D.A., see Osberg, E.A. 352 (1994) 434
Dohms, U., see Tenten, W. 352 (1994) 137
Dönszelmann, M. and C. Gaspar, The DELPHI distributed information system for exchanging LEP machine related information 352 (1994) 280
Dougherty, W.M. and P.C. Williams, A method for determining drift cell wire tensions using conventional front-end electronics 352 (1995) 569
Dovbnya, A.N., see Boriskin, V.N. 352 (1994) 61
Dubovik, L., see Kotov, V. 352 (1994) 283
Duc, C.-N., see Lucas, P. 352 (1994) 484
Dudin, S.V., O.V. Ignatyev and A.D. Pulin, A fast signal processor for NaI(Tl) detectors 352 (1995) 610
Dunaitsev, A., see Gotsev, V. 352 (1994) 199
Dunaitsev, A., see Bardik, Yu. 352 (1994) 421
Duneau, P., see Luong, T.T. 352 (1994) 96
DuPlantis, D., see Jones, W.P. 352 (1994) 53
Duval, P.Y., see Buono, S. 352 (1994) 213
Duval, P.Y., see Buono, S. 352 (1994) 383
Dvornikov, O.V., see Baturitsky, M.A. 352 (1995) 604
Dye, S.T., see Becker-Szendy, R. 352 (1995) 629

Ehrich, H.-D., Fundamentals of object-oriented information systems specification and design: the OBLOG/TROLL approach . . . 352 (1994) 375
Elin, A., L. Kopylov, A. Matyushin, M. Mikheev, E. Scherbakov, N. Trofimov, V. Yourpalov and S. Zelepoukin, Control protocols for the UNK control system . . . 352 (1994) 271
Ellison, T., see Jones, W.P. . . . 352 (1994) 53
Emel'yanchik, I.F., see Baturitsky, M.A. . . . 352 (1995) 604
Engelhardt, A., see Mato, P. . . . 352 (1994) 247
Epaud, F., see Götz, A. . . . 352 (1994) 22
Epaud, F. and P. Verdier, VME image acquisition and processing using standard TV CCD cameras . . . 352 (1994) 226
Errede, S., see Becker-Szendy, R. . . . 352 (1995) 629
Ewert, T., see Dale, D.J. . . . 352 (1994) 79
Ewert, T., see Bishop, D. . . . 352 (1994) 236

Fantechi, R., see Mato, P. . . . 352 (1994) 247
Featherly, J., see Ahn, S. . . . 352 (1994) 250
Ferrato, D., see Buono, S. . . . 352 (1994) 213
Ferrato, D., see Buono, S. . . . 352 (1994) 383
Filimonov, V., see Daems, G. . . . 352 (1994) 325
Filippi, G., Software engineering for ESO's VLT project . . . 352 (1994) 386
Foster, G.W., see Becker-Szendy, R. . . . 352 (1995) 629
Fowler, K., see Young, J. . . . 352 (1994) 112
Freeman, J., see Aota, S. . . . 352 (1995) 557
Friedman, A. and E. Bozoki, A digital feedback system for transverse orbit stabilization in the NSLS rings . . . 352 (1994) 339
Fryer, M., see Peggs, S. . . . 352 (1994) 322
Fuess, S., see Ahn, S. . . . 352 (1994) 250
Fumagalli, G., see Buono, S. . . . 352 (1994) 213
Fumagalli, G., see Buono, S. . . . 352 (1994) 383
Furukawa, K., see Mimashi, T. . . . 352 (1994) 128
Furukawa, K., see Kamikubota, N. . . . 352 (1994) 131
Fuß, L., see Tenten, W. . . . 352 (1994) 137

Gajewski, W., see Becker-Szendy, R. . . . 352 (1995) 629
Ganezer, K., see Becker-Szendy, R. . . . 352 (1995) 629
Gao, J., The criterion for the coupling states between cavities with losses (*Letter to the Editor*) . . . 352 (1995) 661
Gaponenko, I., see Buono, S. . . . 352 (1994) 213
Gaponenko, I., see Buono, S. . . . 352 (1994) 383
Gareyte, C., see Trofimov, N. . . . 352 (1994) 274
Gaspar, C., see Dönszelmann, M. . . . 352 (1994) 280
Gavaggio, R., see Abie, H. . . . 352 (1994) 265
Gayer, A., see Rapaport, M.S. . . . 352 (1995) 652
Gelato, G., see Abie, H. . . . 352 (1994) 265
Geng, X., see Zhao, J. . . . 352 (1994) 158
Gerasimov, V.P., M.V. Zhelamsky, I.V. Mozin and S.S. Repin, Computer-aided system for cryogenic research facilities . . . 352 (1994) 176
Gerke, Chr., see Clausen, M. . . . 352 (1994) 19
Gibbard, B., see Ahn, S. . . . 352 (1994) 250
Gibbs, P., see Cussen, L.D. . . . 352 (1995) 668
Gimpel, T., see Young, J. . . . 352 (1994) 112
Goddard, B., see Mertens, V. . . . 352 (1994) 144
Goldhaber, M., see Becker-Szendy, R. . . . 352 (1995) 629
Golutvin, I.A., see Baturitsky, M.A. . . . 352 (1995) 604
Goodwin, R.W., M.J. Kucera and M.F. Shea, Use of small stand-alone Internet nodes as a distributed control system . . . 352 (1994) 189
Goresnic, C., see Rapaport, M.S. . . . 352 (1995) 652
Gotsev, V., V. Gres, A. Dunaitsev, L. Kim, V. Komarov, S. Lapitsky, M. Matveev, V. Seleznev, P. Shevtsov, F. Solodovnik, A. Sytin and V. Terekhov, Controlling the UNK transfer line beam diagnostics . . . 352 (1994) 199
Götz, A., W.-D. Klotz, C. Hervé, E. Taurel, J. Meyer, P. Mäkijärvi, T. Mettälä, J.-M. Chaize, G. Pepellin and F. Epaud, Experience with a Standard Model '91 based control system at the ESRF . . . 352 (1994) 22
Götz, A., see Meyer, J. . . . 352 (1994) 289
Goulas, I., see Barillere, R. . . . 352 (1994) 492
Gould, C.R., see Alfimenkov, V.P. . . . 352 (1995) 592

Grant, P.A., see Mouat, M.M. 352 (1994) 107
Grant, P.A., see Richards, J.E. 352 (1994) 398
Gres, V., see Gotsev, V. 352 (1994) 199
Gribov, I.V., see Chepurnov, A.S. 352 (1994) 306
Grishin, V.M., A.P. Kostin, S.K. Kotelnikov and D.G. Streblechenko, Ionization fluctuations in very thin absorbers (*Letter to the Editor*) 352 (1995) 659
Grygel, G., see Clausen, M. 352 (1994) 458
Gudkov, K.A., see Chepurnov, A.S. 352 (1994) 306
Guiard-Marigny, A., see Saban, R. 352 (1994) 461
Guiard-Marigny, A., see Kuiper, B. 352 (1994) 505
Gupta, P., see Watson III, W.A. 352 (1994) 118
Gurd, D., see Knott, M. 352 (1994) 486
Gurin, V.A., see Boriskin, V.N. 352 (1994) 61

Haase, D.G., see Alfimenkov, V.P. 352 (1995) 592
Haberbosch, Ch., see Hacker, U. 352 (1994) 28
Haberbosch, Ch., see Weinert, A. 352 (1994) 277
Hacker, U., Ch. Haberbosch, K. Henn and A. Weinert, COSY Control Status. First results with rapid prototyped man–machine interface for accelerator control 352 (1994) 28
Hacker, U., see Bongers, N. 352 (1994) 193
Hacker, U., see Weinert, A. 352 (1994) 277
Hadler N., J.C., see Bigazzi, G. 352 (1995) 588
Haines, T.J., see Becker-Szendy, R. 352 (1995) 629
Halverson, P.G., see Becker-Szendy, R. 352 (1995) 629
Hama, H., see Kanaya, N. 352 (1994) 166
Hansevarov, D.R., see Varentsov, V.L. 352 (1995) 542
Hara, K., see Aota, S. 352 (1995) 557
Harrison, D., see Dale, D.J. 352 (1994) 79
Harrison, D., see Bishop, D. 352 (1994) 236
Hart, R.G.K., W.P.J. Heubers, J.B. van der Laan and A. Schimmel, The AmPS magnet control system 352 (1994) 366
Harvey, J., see Mato, P. 352 (1994) 247
Hashimoto, S., see Takada, E. 352 (1994) 40
Hatziangeli, E., see Billen, R. 352 (1994) 296
Hayano, H., see Urakawa, J. 352 (1994) 207
Hayashi, E., see Aota, S. 352 (1995) 557
Hazen, E., see Becker-Szendy, R. 352 (1995) 629
Heefner, J., see Moore, T. 352 (1994) 50
Heinrichs, G., H. Rongen and R. Jamal, Using LabVIEW for the design and control of digital signal processing systems. Simulation of the ultra slow extraction at COSY 352 (1994) 449
Heinze, W. and R. Maccaferri, An inexpensive analog function generator in VME standard 352 (1994) 147
Heinze, W., see Abie, H. 352 (1994) 265
Hemming, O.N., G. Manduchi, A. Luchetta, V. Schmidt and S. Vitturi, The use of industrial type control and monitoring components for a large fusion experiment 352 (1994) 476
Hendricks, B., Program recording of user actions and its use in the Fermilab accelerator control system 352 (1994) 368
Henn, K., see Hacker, U. 352 (1994) 28
Henn, K., see Bongers, N. 352 (1994) 193
Henn, K., see Weinert, A. 352 (1994) 277
Hervé, C., see Götz, A. 352 (1994) 22
Heubers, W.P.J., see Hart, R.G.K. 352 (1994) 366
Hicks, T.J., see Cussen, L.D. 352 (1995) 668
Hill, J.O., see Dalesio, L.R. 352 (1994) 179
Hill, J.O., EPICS communication loss management 352 (1994) 218
Hill, J.O., A VXI message based communications driver and resource manager for EPICS 352 (1994) 221
Hishitani, E., see Takada, E. 352 (1994) 40
Hoff, L.T. and J.F. Skelly, Accelerator devices at persistent software objects 352 (1994) 185
Homutnikov, V., see Daems, G. 352 (1994) 325
Hsu, K.T., see Jan, G.J. 352 (1994) 33
Hu, K.H., see Jan, G.J. 352 (1994) 33
Huang, G., see Jan, G.J. 352 (1994) 33
Huet, M., see Buono, S. 352 (1994) 213

Huet, M., see Buono, S. 352 (1994) 383
Hunt, S., see Dalesio, L.R. 352 (1994) 179
Hunt, S., S. Crivello and N. Mokhov, Radiation effects on optical fiber links at the SSC 352 (1994) 239
Hunt, S., P. Banta, K. Low and D. Mathieson, BUBBANET – The SSC accelerator controls network 352 (1994) 254
Hunt, S., see Bourianoff, G. 352 (1994) 333
Huppertz, H., see Tenten, W. 352 (1994) 137
Huuskonen, P., see Barillere, R. 352 (1994) 492

Ichikawa, S., see Sasaki, T. 352 (1994) 75
Ieiri, M., see Suzuki, Y. 352 (1994) 135
Ignatyev, O.V., see Dudin, S.V. 352 (1995) 610
Ignatyev, O.V. and A.D. Pulin, A simple dual spectroscopy amplifier 352 (1995) 614
Ishii, H., see Suzuki, Y. 352 (1994) 135
Isoyama, G., see Kanaya, N. 352 (1994) 166
Iszak, E., see Rapaport, M.S. 352 (1995) 652
Itano, A., see Takada, E. 352 (1994) 40
Itoh, Y., see Yoshikawa, H. 352 (1994) 216
Iunes, P.J., see Bigazzi, G. 352 (1995) 588
Iwai, J., see Aota, S. 352 (1995) 557

Jacak, B.V., see Shaheen, S. 352 (1995) 573
Jakubowska, E., see Rohrer, L. 352 (1994) 82
Jamal, R., Graphical object-oriented programming with LabVIEW 352 (1994) 438
Jamal, R., see Heinrichs, G. 352 (1994) 449
Jan, G.J., J.S. Chen, C.J. Wang, J. Chen, T.F. Lin, K.T. Pan, G. Lin, C.H. Kuo, G. Huang, K.Y. Kuo, K.H. Hu, K.T. Hsu, T.S. Ueng and G.H. Luo, Computer control and instrumentation system at the SRRC. 352 (1994) 33
Jan, G.J., see Wang, C.J. 352 (1994) 300
Jégou, D., see Rijllart, A. 352 (1994) 480
Jirousek, I., see Blumer, T. 352 (1994) 150
Johnson, R.P., see Watson III, W.A. 352 (1994) 118
Jonckheere, A., see Ahn, S. 352 (1994) 250
Jones, R., see Buono, S. 352 (1994) 213
Jones, R., see Buono, S. 352 (1994) 383
Jones, R.D., see Mead, W.C. 352 (1994) 309
Jones, T.W., see Becker-Szendy, R. 352 (1995) 629
Jones, W., see Kuiper, B. 352 (1994) 505
Jones, W.P., T. Ellison, J. Collins, P. Schwandt and D. DuPlantis, Beam transport system for the new IUCF polarized ion source. 352 (1994) 53
Juillerat, A.C., see Kuhn, H.K. 352 (1994) 467

Kadantsev, S.G., see Mouat, M.M. 352 (1994) 107
Kadnikov, A., see Kuznetsov, S. 352 (1994) 161
Kagarmanov, A., see Cuisinier, G. 352 (1994) 94
Kallas, N., see Corker, V. 352 (1994) 47
Kallistratov, E., see Bardik, Yu. 352 (1994) 421
Kamikubota, N., K. Furukawa, K. Nakahara and I. Abe, New control system with VME and workstations for the KEK e^-/e^+ linac 352 (1994) 131
Kanaya, N., H. Hama, J.-i. Yamazaki, O. Matsudo and G. Isoyama, Gracefully-degraded operationable control system for the UVSOR synchrotron radiation source and its operational experience. 352 (1994) 166
Kanaya, N., Virtual accelerator and fundamental guidelines towards sharable software for accelerator control systems . 352 (1994) 497
Kanazawa, M., see Takada, E. 352 (1994) 40
Kaneko, H., see Yamazaki, K. 352 (1994) 43
Kato, Y., see Suzuki, Y. 352 (1994) 135
Kawamoto, T., see Mimashi, T. 352 (1994) 128
Kawamoto, T., see Urakawa, J. 352 (1994) 207
Keitel, R., see Dale, D.J. 352 (1994) 79
Keitel, R., see Bishop, D. 352 (1994) 236
Kerstiens, D.M., see Kozubal, A.J. 352 (1994) 411
Khodabandeh, A., see Buono, S. 352 (1994) 383
Kielczewska, D., see Becker-Szendy, R. 352 (1995) 629

Kim, L., see Gotsev, V. . . . 352 (1994) 199
Kim, L., see Bardik, Yu. . . . 352 (1994) 421
Kim, S., see Aota, S. . . . 352 (1995) 557
Kimura, T., VME and network applications for the JT-60U control system . . . 352 (1994) 125
Klassen, E., see Mouat, M.M. . . . 352 (1994) 107
Klassen, E., see Roberts, W.R. . . . 352 (1994) 232
Klotz, W.-D., see Götz, A. . . . 352 (1994) 22
Klotz, W.D., see Meyer, J. . . . 352 (1994) 289
Klümper, C., see Kreidel, H.-J. . . . 352 (1994) 354
Knopf, U., see Clausen, M. . . . 352 (1994) 19
Knott, M., see McDowell, W. . . . 352 (1994) 13
Knott, M., D. Gurd, S. Lewis and M. Thuot, EPICS: A control system software co-development success story . . . 352 (1994) 486
Kobayashi, H., see Kobayashi, T. . . . 352 (1995) 640
Kobayashi, T., T. Ueda, Y. Yoshida, T. Kozawa, M. Uesaka, K. Miya, H. Kobayashi and S. Tagawa, Single bunched beam generation without subharmonic prebuncher . . . 352 (1995) 640
Kodera, M., see Yoshikawa, H. . . . 352 (1994) 216
Kohno, T., see Takada, E. . . . 352 (1994) 40
Komada, I., see Mimashi, T. . . . 352 (1994) 128
Komarov, V., see Gotsev, V. . . . 352 (1994) 199
Komarov, V., see Bardik, Yu. . . . 352 (1994) 421
Kondo, K., see Aota, S. . . . 352 (1995) 557
Kopylov, L., see Elin, A. . . . 352 (1994) 271
Kopylov, L., M. Mikhev, N. Trofimov and V. Yurpalov, Tools for man–machine interface development in accelerator control applications. . . . 352 (1994) 424
Kostin, A.P., see Grishin, V.M. . . . 352 (1995) 659
Kostro, K., Remote procedure calls for accelerator control at CERN. Current status and future trends . . . 352 (1994) 262
Kotelnikov, S.K., see Grishin, V.M. . . . 352 (1995) 659
Kotov, V., L. Dubovik and K. Rybaltchenko, A bus controller for MIL-1553B and Multibus II . . . 352 (1994) 283
Kovaltsov, V., see Cuisinier, G. . . . 352 (1994) 94
Kovaltsov, V., see Bardik, Yu. . . . 352 (1994) 421
Kozawa, T., see Kobayashi, T. . . . 352 (1995) 640
Kozubal, A.J., D.M. Kerstiens and R.M. Wright, Experience with the State Notation Language and Run-Time sequencer . . . 352 (1994) 411
Kraimer, M., see McDowell, W. . . . 352 (1994) 13
Kraimer, M., see Dalesio, L.R. . . . 352 (1994) 179
Kreidel, H.-J., C. Klümper and K.W. Nilles, The graphics operator interface to control MAMI . . . 352 (1994) 354
Kropp, W.R., see Becker-Szendy, R. . . . 352 (1995) 629
Krylov, Yu., see Kuznetsov, S. . . . 352 (1994) 161
Krzywdzinski, S., see Ahn, S. . . . 352 (1994) 250
Kucera, M.J., see Goodwin, R.W. . . . 352 (1994) 189
Kudoh, K., see Mimashi, T. . . . 352 (1994) 128
Kuhn, H.K., A.C. Juillerat, M. Rabany and J.C. Wollès, Specification, installation and commissioning of a large industrial control system for the LEP2 cryogenics . . . 352 (1994) 467
Kuiper, B., M. Clausen, P. Clout, A. Guiard-Marigny, W. Jones, S. Lewis, P. Lucas, W. McDowell, F. Perriollat and R. Saban, Panel session on software sharing . . . 352 (1994) 505
Kumada, M., see Takada, E. . . . 352 (1994) 40
Kuo, C.H., see Jan, G.J. . . . 352 (1994) 33
Kuo, K.Y., see Jan, G.J. . . . 352 (1994) 33
Kurokawa, S., see Mimashi, T. . . . 352 (1994) 128
Kushnir, V.A., see Boriskin, V.N. . . . 352 (1994) 61
Kuwabara, T., see Aota, S. . . . 352 (1995) 557
Kuznetsov, S., A. Kadnikov, Yu. Krylov, Yu. Yupinov and E. Levichev, Control system of the synchrotron radiation source SIBERIA . . . 352 (1994) 161

Lacava, F., see Bacci, C. . . . 352 (1995) 552
Laeger, H., see Saban, R. . . . 352 (1994) 461
Laffin, M., see Mertens, V. . . . 352 (1994) 144
Lam, J., see Dale, D.J. . . . 352 (1994) 79
Lam, J., see Bishop, D. . . . 352 (1994) 236
LaMon, K., The isochronous storage ring free electron laser . . . 352 (1995) 644
Lamont, M., see Bailey, R. . . . 352 (1994) 350
Lamont, M., see Bailey, R. . . . 352 (1994) 430

Lapitsky, S., see Gotsev, V. . . . 352 (1994) 199
Learned, J.G., see Becker-Szendy, R. . . . 352 (1995) 629
Lécorché, E., see Luong, T.T. . . . 352 (1994) 96
Lee, K.S., see Mouat, M.M. . . . 352 (1994) 107
Lee, K.S., see Roberts, W.R. . . . 352 (1994) 232
Lee, K.S., see Richards, J.E. . . . 352 (1994) 398
Lee, S., see Corker, V. . . . 352 (1994) 47
Le Goff, J.M., see Barillere, R. . . . 352 (1994) 492
Legras, M., see Abie, H. . . . 352 (1994) 265
Lelaizant, M., see Bouche, J.-M. . . . 352 (1994) 196
Lemaître, E., see Luong, T.T. . . . 352 (1994) 96
Lerch, J., see Tenten, W. . . . 352 (1994) 137
Lermine, P., see Luong, T.T. . . . 352 (1994) 96
Levandovsky, S.P., see Boriskin, V.N. . . . 352 (1994) 61
Le Van Suu, A., see Buono, S. . . . 352 (1994) 213
Le Van Suu, A., see Buono, S. . . . 352 (1994) 383
Levichev, E., see Kuznetsov, S. . . . 352 (1994) 161
Lewis, J. and V. Sikolenko, The new CERN PS timing system . . . 352 (1994) 91
Lewis, S., see Young, J. . . . 352 (1994) 112
Lewis, S., see Dalesio, L.R. . . . 352 (1994) 179
Lewis, S., see Knott, M. . . . 352 (1994) 486
Lewis, S., see Kuiper, B. . . . 352 (1994) 505
LHD group, see Yamazaki, K. . . . 352 (1994) 43
Lienard, P., Evolution of the SPS and LEP communication control network for the SPS and LEP accelerators . . . 352 (1994) 170
Limon, P.J., see Aota, S. . . . 352 (1995) 557
Lin, G., see Jan, G.J. . . . 352 (1994) 33
Lin, T.F., see Jan, G.J. . . . 352 (1994) 33
Lock, J.S., see Shaheen, S. . . . 352 (1995) 573
Losecco, J.M., see Becker-Szendy, R. . . . 352 (1995) 629
Low, K., see Hunt, S. . . . 352 (1994) 254
Loyant, J.M., see Luong, T.T. . . . 352 (1994) 96
Lublinsky, B., Shell software for smart subsystems with front-end capabilities . . . 352 (1994) 403
Lucas, P., H.U. Bohn, C.-N. Duc, C. Mazza, F. Potepan and S. Trieste, Summary of session We-K Panel discussion on the topic: should we buy not build a control system? . . . 352 (1994) 484
Lucas, P., see Kuiper, B. . . . 352 (1994) 505
Luchetta, A., see Hemming, O.N. . . . 352 (1994) 476
Ludgate, G.A., see Mouat, M.M. . . . 352 (1994) 107
Lukyantsev, A., see Bardik, Yu. . . . 352 (1994) 421
Luo, G.H., see Jan, G.J. . . . 352 (1994) 33
Luo, H., see Zhao, J. . . . 352 (1994) 158
Luong, T.T., L. David, P. Duneau, P. De Saint Jores, E. Lécorché, E. Lemaître, P. Lermine, J.M. Loyant, C. Maugeais, F. Régnault, J.F. Rozé, A. Souf and M. Ulrich, The new accelerator control system of GANIL . . . 352 (1994) 96
Lustig, H., see Abie, H. . . . 352 (1994) 265

Maccaferri, R., see Heinze, W. . . . 352 (1994) 147
Machnachev, A., see Bardik, Yu. . . . 352 (1994) 421
Mäkijärvi, P., see Götz, A. . . . 352 (1994) 22
Malitsky, N., see Bourianoff, G. . . . 352 (1994) 333
Manduchi, G., see Hemming, O.N. . . . 352 (1994) 476
Mannelli, E., see Mato, P. . . . 352 (1994) 247
Mapelli, L., see Buono, S. . . . 352 (1994) 213
Mapelli, L., see Buono, S. . . . 352 (1994) 383
Marchand, A., see Carlier, E. . . . 352 (1994) 173
Mareev, Yu.D., see Alfimenkov, V.P. . . . 352 (1995) 592
Martinsen, G., see Murray, D. . . . 352 (1994) 390
Mathieson, D., see Hunt, S. . . . 352 (1994) 254
Mato, P., A. Engelhardt, J. Harvey, G. Mourouvapin, M. Saich, W. Tejessy, W. Cameron, M. Cattaneo, R. Fantechi, E. Mannelli, E. Veitch and O. Callot, The new slow control system for the ALEPH experiment at LEP . . . 352 (1994) 247
Matsudo, O., see Kanaya, N. . . . 352 (1994) 166
Matsuno, S., see Becker-Szendy, R. . . . 352 (1995) 629

Matthews, J., see Becker-Szendy, R. . . . 352 (1995) 629
Matveev, M., see Gotsev, V. . . . 352 (1994) 199
Matyushin, A., see Elin, A. . . . 352 (1994) 271
Matyushin, A., see Bardik, Yu. . . . 352 (1994) 421
Maugeais, C., see Luong, T.T. . . . 352 (1994) 96
Mazza, C., Controlling software development . . . 352 (1994) 370
Mazza, C., see Lucas, P. . . . 352 (1994) 484
McDowell, W., M. Knott and M. Kraimer, Status of the Advanced Photon Source and its accelerator control system . . . 352 (1994) 13
McDowell, W., see Kuiper, B. . . . 352 (1994) 505
McEvoy, M., see Young, J. . . . 352 (1994) 112
McGrath, G., see Becker-Szendy, R. . . . 352 (1995) 629
McGrew, C., see Becker-Szendy, R. . . . 352 (1995) 629
Mead, W.C., S.K. Brown, R.D. Jones, P.S. Bowling and C.W. Barnes, Adaptive optimization and control using neural networks . . . 352 (1994) 309
Meaney, D., see Young, J. . . . 352 (1994) 112
Merard, L., see Abie, H. . . . 352 (1994) 265
Mertens, V., A. Aimar, P. Bobbio, E. Carlier, J.H. Dieperink, B. Goddard, M. Laffin and H. Verhagen, The new control system for the LEP Pretzel separators . . . 352 (1994) 144
Mertens, V., see Carlier, E. . . . 352 (1994) 173
Mertens, V., A. Aimar and E. Carlier, A simple generic software tool kit for distributed controls applications . . . 352 (1994) 427
Mettälä, T., see Götz, A. . . . 352 (1994) 22
Meyer, J., see Götz, A. . . . 352 (1994) 22
Meyer, J., A. Götz and W.D. Klotz, Access control and security for a distributed control system . . . 352 (1994) 289
Mezger, A., see Blumer, T. . . . 352 (1994) 150
Michaud, F.D., see Alkire, R.W. . . . 352 (1995) 535
Mignacco, M., A. Abrami and Z. Dequal, The Elettra beam line control system . . . 352 (1994) 67
Mikheev, M., see Elin, A. . . . 352 (1994) 271
Mikhev, M., see Kopylov, L. . . . 352 (1994) 424
Milardi, C., see Catani, L. . . . 352 (1994) 71
Milardi, C., see Di Pirro, G. . . . 352 (1994) 455
Milcent, H., see Barillere, R. . . . 352 (1994) 492
Miller, R., see Becker-Szendy, R. . . . 352 (1995) 629
Mimashi, T., A. Akiyama, S. Araki, K. Kudoh, I. Komada, T. Kawamoto, S. Kurokawa, T. Naitoh, S. Takeda, J. Urakawa, T. Takashima, K. Furukawa, J. Navratil, K. Oide and N. Yamamoto, The rejuvenation status of TRISTAN accelerator control system . . . 352 (1994) 128
Mimashi, T., see Urakawa, J. . . . 352 (1994) 207
Mimashi, T., see Navratil, J. . . . 352 (1994) 361
Minakawa, M., see Suzuki, Y. . . . 352 (1994) 135
Mishina, M., see Aota, S. . . . 352 (1995) 557
Mitrochenko, V.V., see Boriskin, V.N. . . . 352 (1994) 61
Miya, K., see Kobayashi, T. . . . 352 (1995) 640
Miyajima, M., S. Sasaki and E. Shibamura, Comments on "liquid xenon ionization and scintillation studies for a totally active-vector electromagnetic calorimeter" . . . 352 (1995) 548
Miyashita, S., see Aota, S. . . . 352 (1995) 557
Mokhov, N., see Hunt, S. . . . 352 (1994) 239
Molinari, P., see Young, J. . . . 352 (1994) 112
Momal, F., J. Brahy, R. Saban and P. Sollander, Integrating a commercial industrial control system to the accelerator control system: a case study . . . 352 (1994) 464
Momose, A., Demonstration of phase-contrast X-ray computed tomography using an X-ray interferometer . . . 352 (1995) 622
Moore, T., R. Bork, J. Heefner and S. Basiti, The SSCL process control system . . . 352 (1994) 50
Morita, K.-I. and T. Takahashi, Upgrading the telescope control system of the Nobeyama Radio Observatory . . . 352 (1994) 122
Mornacchi, G., see Buono, S. . . . 352 (1994) 213
Mornacchi, G., see Buono, S. . . . 352 (1994) 383
Morris, J.T., Object oriented design in the AGSDCS alarm system . . . 352 (1994) 141
Motojima, O., see Yamazaki, K. . . . 352 (1994) 43
Mouat, M.M., D.A. Diel, P.A. Grant, E. Klassen, K.S. Lee, G.A. Ludgate, J.E. Richards, P.J. Yogendran and S.G. Kadantsev, Update on the TRIUMF Central Control System . . . 352 (1994) 107
Mouat, M.M., see Roberts, W.R. . . . 352 (1994) 232
Mouat, M.M., see Richards, J.E. . . . 352 (1994) 398
Mourouvapin, G., see Mato, P. . . . 352 (1994) 247
Mozin, I.V., see Gerasimov, V.P. . . . 352 (1994) 176

Mudan, M.S., see Becker-Szendy, R. . . . 352 (1995) 629
Müller, K.D., see Tenten, W. . . . 352 (1994) 137
Murray, D., see Corker, V. . . . 352 (1994) 47
Murray, D., see Dalesio, L.R. . . . 352 (1994) 179
Murray, D., G. Martinsen and J. Wang, A development environment for the SSC control system . . . 352 (1994) 390

Naito, T., see Urakawa, J. . . . 352 (1994) 207
Naitoh, T., see Mimashi, T. . . . 352 (1994) 128
Nakada, H., see Aota, S. . . . 352 (1995) 557
Nakahara, K., see Kamikubota, N. . . . 352 (1994) 131
Nakano, I., see Aota, S. . . . 352 (1995) 557
Nakayama, T., see Takada, E. . . . 352 (1994) 40
Navratil, J., see Mimashi, T. . . . 352 (1994) 128
Navratil, J., A. Akiyama and T. Mimashi, Visual observation of digitalised signals by workstations . . . 352 (1994) 361
Nawrocki, G.J., see Coulter, K.J. . . . 352 (1994) 201
Nilles, K.W., see Kreidel, H.-J. . . . 352 (1994) 354
Nisati, A., see Bacci, C. . . . 352 (1995) 552
Nishimura, H., Object-oriented software construction at ALS . . . 352 (1994) 379
Noda, K., see Takada, E. . . . 352 (1994) 40
Noguchi, T., see Sasaki, T. . . . 352 (1994) 75
Noumi, H., see Suzuki, Y. . . . 352 (1994) 135
Novakov, O. and C.-H. Sicard, Experience with case tools in the design of process-oriented software . . . 352 (1994) 415
Novitsky, V.V., see Alfimenkov, V.P. . . . 352 (1995) 592

Obukhov, G., see Bardik, Yu. . . . 352 (1994) 421
Oddone, M., see Bigazzi, G. . . . 352 (1995) 588
Ogasawara, R., see Sasaki, T. . . . 352 (1994) 75
Oide, K., see Mimashi, T. . . . 352 (1994) 128
Okita, K., see Sasaki, T. . . . 352 (1994) 75
Orestano, D., see Bacci, C. . . . 352 (1995) 552
Osberg, E., see Dohan, D.A. . . . 352 (1994) 393
Osberg, E.A., D.A. Dohan, R. Richter, R. Biggs, K. Chillara, D. Wade and J. Bossom, Three Object-Oriented enhancement for EPICS . . . 352 (1994) 434
Osborn, J.C., see Cussen, L.D. . . . 352 (1995) 668
Otake, Y., see Urakawa, J. . . . 352 (1994) 207

Pace, A., see Deloose, I. . . . 352 (1994) 471
Pan, K.T., see Jan, G.J. . . . 352 (1994) 33
Papazyan, Yu.V., see Zaitsev, V.I. . . . 352 (1994) 418
Park, H.S., see Becker-Szendy, R. . . . 352 (1995) 629
Paterno, L., see Ahn, S. . . . 352 (1994) 250
Paulo, S.R., see Bigazzi, G. . . . 352 (1995) 588
Paxson, V., Glish: a software bus for high-level control . . . 352 (1994) 316
Pearson, T., see Abie, H. . . . 352 (1994) 265
Peggs, S., C. Saltmarsh, T. Satogata and M. Fryer, High level controls at RHIC . . . 352 (1994) 322
Pepellin, G., see Götz, A. . . . 352 (1994) 22
Perreard, S. and E. Wildner, Conditioning of high voltage radio frequency cavities by using fuzzy logic in connection with rule based programming . . . 352 (1994) 336
Perriollat, F. and C. Serre, The New CERN PS control system overview and status. . . . 352 (1994) 86
Perriollat, F., see Cuisinier, G. . . . 352 (1994) 94
Perriollat, F., see Daems, G. . . . 352 (1994) 325
Perriollat, F., see Kuiper, B. . . . 352 (1994) 505
Peterson, D., see Young, J. . . . 352 (1994) 112
Petrolo, E., see Bacci, C. . . . 352 (1995) 552
Pikelner, L.B., see Alfimenkov, V.P. . . . 352 (1995) 592
Pinel, P., see Chaize, J.M. . . . 352 (1994) 103
Poirier, H., see Trofimov, N. . . . 352 (1994) 274
Polak, E., see Rapaport, M.S. . . . 352 (1995) 652
Polesello, G., see Buono, S. . . . 352 (1994) 383
Pontecorvo, L., see Bacci, C. . . . 352 (1995) 552

Portmann, G., see Young, J. 352 (1994) 112
Potepan, F., C. Scafuri, C. Bortolotto and G. Surace, An integrated set of UNIX based system tools at control room level. 352 (1994) 342
Potepan, F., see Lucas, P. 352 (1994) 484
Price, L.R., see Becker-Szendy, R. 352 (1995) 629
Prigent, D., see Buono, S. 352 (1994) 213
Prigent, D., see Buono, S. 352 (1994) 383
Prosper, H., see Ahn, S. 352 (1994) 250
Pulin, A.D., see Dudin, S.V. 352 (1995) 610
Pulin, A.D., see Ignatyev, O.V. 352 (1995) 614

Qian, Z., see Buono, S.. . . . . 352 (1994) 213
Qian, Z., see Buono, S.. . . . . 352 (1994) 383

Rabany, M., see Saban, R. 352 (1994) 461
Rabany, M., see Kuhn, H.K. 352 (1994) 467
Racaud, T. and P. Assis-Arantes, Application of the object-oriented paradigm for scientific experiment monitoring & control 352 (1994) 447
Radermacher, E., see Bacci, C. 352 (1995) 552
Rahn, J., see v. Egan-Krieger, G. 352 (1994) 204
Raja, R., see Ahn, S. 352 (1994) 250
Ramamoorthy, S., see Smith, J.D. 352 (1994) 114
Rapaport, M.S., A. Gayer, E. Iszak, C. Goresnic, A. Baran and E. Polak, A dual-mode industrial CT 352 (1995) 652
Rasmussen, L., see Ahn, S. 352 (1994) 250
Ravel, J.-C., see Albrand, S. 352 (1994) 521
Régnault, F., see Luong, T.T. 352 (1994) 96
Reines, F., see Becker-Szendy, R. 352 (1995) 629
Reinhart, P., see Tenten, W. 352 (1994) 137
Repin, S.S., see Gerasimov, V.P. 352 (1994) 176
Reshetov, A., see Bourianoff, G. 352 (1994) 333
Rettig, S., see Clausen, M. 352 (1994) 19
Ribeiro, P., see Cuisinier, G. 352 (1994) 94
Richards, J.E., see Mouat, M.M. 352 (1994) 107
Richards, J.E., B. Davison, P.A. Grant, K.S. Lee, M.M. Mouat and S. Wong, Device access using C++ on VAX/OpenVMS. 352 (1994) 398
Richter, R., see Dohan, D.A. 352 (1994) 393
Richter, R., see Osberg, E.A. 352 (1994) 434
Rigol, J., New statistical function for the angular distribution of evaporation residues produced by heavy ions (*Letter to the Editor*) 352 (1995) 663
Rijllart, A., L. Avot, D. Brahy, D. Jégou and R. Saban, Laboratory use of industrial control systems 352 (1994) 480
Robb, A., see Young, J. 352 (1994) 112
Roberson, N.R., see Alfimenkov, V.P. 352 (1995) 592
Roberts, W.R., K.S. Lee, M.M. Mouat, E. Klassen, P.W. Wilmshurst and D.A. Diel, DEC TURBOchannel to CAMAC executive crate interface 352 (1994) 232
Roeber, F., see Billen, R. 352 (1994) 296
Rohrer, L., H. Schnitter, A. Cazan, E. Jakubowska and B. Walchshäusl, The tandem Tritron control system, a status report 352 (1994) 82
Romero, A., see Bourianoff, G. 352 (1994) 333
Rondot, C., see Buono, S. 352 (1994) 213
Rondot, C., see Buono, S. 352 (1994) 383
Rongen, F., see Tenten, W. 352 (1994) 137
Rongen, H., see Heinrichs, G. 352 (1994) 449
Rothe, R., see Alkire, R.W. 352 (1995) 535
Roybal, P., see Shaheen, S. 352 (1995) 573
Rozé, J.F., see Luong, T.T. 352 (1994) 96
Ryabov, Yu., see Daems, G. 352 (1994) 325
Rybaltchenko, K., see Kotov, V.. . . . . 352 (1994) 283

Saban, R., P. Ciriani, A. Guiard-Marigny, H. Laeger, M. Rabany and A. Swift, Equipment industrially controlled . . . 352 (1994) 461
Saban, R., see Momal, F. 352 (1994) 464

Saban, R., see Rijllart, A. . . . 352 (1994) 480
Saban, R., see Kuiper, B. . . . 352 (1994) 505
Sagurton, M., see Alkire, R.W. . . . 352 (1995) 535
Saich, M., see Mato, P. . . . 352 (1994) 247
Sakaki, Y., see Yoshikawa, H. . . . 352 (1994) 216
Saltmarsh, C., see Peggs, S. . . . 352 (1994) 322
Sanchez-Corral, E., see Buono, S. . . . 352 (1994) 213
Sanchez-Corral, E., see Buono, S. . . . 352 (1994) 383
Santonico, R., see Bacci, C. . . . 352 (1995) 552
Sasaki, S., see Miyajima, M. . . . 352 (1995) 548
Sasaki, T., Y. Chikada, R. Ogasawara, S. Ichikawa, W. Tanaka, T. Noguchi and K. Okita, Concept design of a control system for the SUBARU Telescope . . . 352 (1994) 75
Sato, K., see Takada, E. . . . 352 (1994) 40
Satogata, T., see Peggs, S. . . . 352 (1994) 322
Savchenko, A.N., see Boriskin, V.N. . . . 352 (1994) 61
Savochkin, V.N., see Zaitsev, V.I. . . . 352 (1994) 418
Scafuri, C., see Potepan, F. . . . 352 (1994) 342
Schaller, S.C., A LAMPF controls retrospective : the good, the bad, and "it seemed like a good idea at the time" . . . 352 (1994) 516
Scherbakov, E., see Elin, A. . . . 352 (1994) 271
Schimmel, A., see Hart, R.G.K. . . . 352 (1994) 366
Schmidt, V., see Hemming, O.N. . . . 352 (1994) 476
Schnitter, H., see Rohrer, L. . . . 352 (1994) 82
Schoeneburg, B., see Clausen, M. . . . 352 (1994) 19
Schuessler, H.A., E.C. Benck, F. Buchinger and H.K. Carter, Nuclear spectroscopy using lasers at Oak Ridge National Laboratory: experiments with stable (past) and radioactive (future) tandem beams . . . 352 (1995) 583
Schultz, J., see Becker-Szendy, R. . . . 352 (1995) 629
Schwandt, P., see Jones, W.P. . . . 352 (1994) 53
Seez, C., see Bacci, C. . . . 352 (1995) 552
Seidel, S., see Becker-Szendy, R. . . . 352 (1995) 629
Seiya, Y., see Aota, S. . . . 352 (1995) 557
Sekolec, L., see Blumer, T. . . . 352 (1994) 150
Sekolec, L., see Šoštarić, Z. . . . 352 (1994) 407
Seleznev, V., see Gotsev, V. . . . 352 (1994) 199
Serre, C., see Perriollat, F. . . . 352 (1994) 86
Shaheen, S., J. Boissevain, W. Collier, B.V. Jacak, J.S. Lock, P. Roybal, J. Simon-Gillo, W. Sondheim, J.P. Sullivan and H. Ziock, Characterization and quality control of silicon microstrip detectors with an infrared diode laser system. . . . 352 (1995) 573
Shea, M.F., see Goodwin, R.W. . . . 352 (1994) 189
Shering, G., see Billinge, R. . . . 352 (1994) 244
Shevtsov, P., see Gotsev, V. . . . 352 (1994) 199
Shevtsov, P., see Clausen, M. . . . 352 (1994) 458
Shibamura, E., see Miyajima, M. . . . 352 (1995) 548
Shumakov, A.V., see Chepurnov, A.S. . . . 352 (1994) 306
Shumeiko, N.M., see Baturitsky, M.A. . . . 352 (1995) 604
Shvedunov, V.I., see Chepurnov, A.S. . . . 352 (1994) 306
Sicard, C.-H., see Novakov, O. . . . 352 (1994) 415
Sicard, C.H., see Cuperus, J. . . . 352 (1994) 346
Sikolenko, V., see Lewis, J. . . . 352 (1994) 91
Simon-Gillo, J., see Shaheen, S. . . . 352 (1995) 573
Simon, M., see Bongers, N. . . . 352 (1994) 193
Simon, M., see Weinert, A. . . . 352 (1994) 277
Sinclair, D., see Becker-Szendy, R. . . . 352 (1995) 629
Skarek, P., see Daems, G. . . . 352 (1994) 325
Skelly, J.F., see Hoff, L.T. . . . 352 (1994) 185
Skiadelli, M., see Buono, S. . . . 352 (1994) 213
Skiadelli, M., see Buono, S. . . . 352 (1994) 383
Skoy, V.R., see Alfimenkov, V.P. . . . 352 (1995) 592
Slovacek, R.E., see Danon, Y. . . . 352 (1995) 596
Smith, J.D., S. Ramamoorthy and Y.N. Tang, NSLS control system upgrade . . . 352 (1994) 114
Sobel, H.W., see Becker-Szendy, R. . . . 352 (1995) 629
Sollander, P., see Momal, F. . . . 352 (1994) 464

Solodovnik, F., see Gotsev, V. . . . 352 (1994) 199
Soloviev, V., see Bardik, Yu. . . . 352 (1994) 421
Sondheim, W., see Shaheen, S. . . . 352 (1995) 573
Šoštarić, Z., see Blumer, T. . . . 352 (1994) 150
Šoštarić, Z., D. Aničić, L. Sekolec and J. Su, Modern design of a fast front-end computer . . . 352 (1994) 407
Souf, A., see Luong, T.T. . . . 352 (1994) 96
Stecchi, A., see Catani, L. . . . 352 (1994) 71
Stecchi, A., see Di Pirro, G. . . . 352 (1994) 455
Stein, S.J., One-way data transfer for PLC to VME status reporting at the Advanced Photon Source . . . 352 (1994) 210
Stein, T., see v. Egan-Krieger, G. . . . 352 (1994) 204
Stone, J.L., see Becker-Szendy, R. . . . 352 (1995) 629
Streblechenko, D.G., see Grishin, V.M. . . . 352 (1995) 659
Strubin, P., see Abie, H. . . . 352 (1994) 265
Su, J., see Šoštarić, Z. . . . 352 (1994) 407
Sudo, M., see Takada, E. . . . 352 (1994) 40
Sulak, L.R., see Becker-Szendy, R. . . . 352 (1995) 629
Sullivan, J.P., see Shaheen, S. . . . 352 (1995) 573
Surace, G., see Potepan, F. . . . 352 (1994) 342
Suzuki, Y., M. Takasaki, M. Minakawa, H. Ishii, Y. Kato, M. Ieiri, K.H. Tanaka, H. Noumi and Y. Yamanoi, Magnet power supplies and beam line control for the KEK experimental halls . . . 352 (1994) 135
Svoboda, R., see Becker-Szendy, R. . . . 352 (1995) 629
Swift, A., see Saban, R. . . . 352 (1994) 461
Sytin, A., Present status of the UNK control system at IHEP . . . 352 (1994) 56
Sytin, A., see Gotsev, V. . . . 352 (1994) 199
Sytin, A., see Bardik, Yu. . . . 352 (1994) 421
Szoncso, F., see Bacci, C. . . . 352 (1995) 552

Tagawa, S., see Kobayashi, T. . . . 352 (1995) 640
Takada, E., K. Sato, T. Kohno, M. Kumada, K. Noda, A. Itano, M. Kanazawa, M. Sudo, S. Hashimoto, T. Nakayama, H. Tanaka, E. Hishitani and N. Tsuzuki, The HIMAC synchrotron control system . . . 352 (1994) 40
Takahashi, T., see Morita, K.-I. . . . 352 (1994) 122
Takasaki, M., see Suzuki, Y. . . . 352 (1994) 135
Takashima, T., see Mimashi, T. . . . 352 (1994) 128
Takeda, S., see Mimashi, T. . . . 352 (1994) 128
Takikawa, K., see Aota, S. . . . 352 (1995) 557
Tamezane, K., see Yoshikawa, H. . . . 352 (1994) 216
Tanaka, H., see Takada, E. . . . 352 (1994) 40
Tanaka, K.H., see Suzuki, Y. . . . 352 (1994) 135
Tanaka, W., see Sasaki, T. . . . 352 (1994) 75
Tang, Y.N., see Smith, J.D. . . . 352 (1994) 114
Taniguchi, Y., see Yamazaki, K. . . . 352 (1994) 43
Tarrant, M., see Bailey, R. . . . 352 (1994) 430
Taurel, E., see Götz, A. . . . 352 (1994) 22
Tchernoousko, Yu., see Bardik, Yu. . . . 352 (1994) 421
Tedesco, J., see Abie, H. . . . 352 (1994) 265
Tejessy, W., see Mato, P. . . . 352 (1994) 247
Tenten, W., U. Dohms, L. Fuß, H. Huppertz, J. Lerch, K.D. Müller, P. Reinhart and F. Rongen, How to upgrade a control system for a tokamak . . . 352 (1994) 137
Terekhov, V., see Gotsev, V. . . . 352 (1994) 199
Thornton, G., see Becker-Szendy, R. . . . 352 (1995) 629
Thuot, M., see Knott, M. . . . 352 (1994) 486
Timossi, C., see Young, J. . . . 352 (1994) 112
Tishin, G., see Bardik, Yu. . . . 352 (1994) 421
Toppers, A., see Buono, S. . . . 352 (1994) 213
Toppers, A., see Buono, S. . . . 352 (1994) 383
Toyoda, H., see Aota, S. . . . 352 (1995) 557
Trasatti, L., see Catani, L. . . . 352 (1994) 71
Trasatti, L., see Di Pirro, G. . . . 352 (1994) 455
Trela, W.J., see Alkire, R.W. . . . 352 (1995) 535
Trieste, S., see Lucas, P. . . . 352 (1994) 484

Trofimov, N., see Elin, A. 352 (1994) 271
Trofimov, N., S. Zelepoukine, E. Zharkov, P. Charrue, C. Gareyte and H. Poirier, The equipment access software for a distributed UNIX-based accelerator control system 352 (1994) 274
Trofimov, N., see Bardik, Yu. 352 (1994) 421
Trofimov, N., see Kopylov, L. 352 (1994) 424
Tsuzuki, N., see Takada, E. 352 (1994) 40
Tur, Yu.D., see Boriskin, V.N. 352 (1994) 61

Uchida, T., see Aota, S. 352 (1995) 557
Ueda, T., see Kobayashi, T. 352 (1995) 640
Ueng, T.S., see Jan, G.J. 352 (1994) 33
Uesaka, M., see Kobayashi, T. 352 (1995) 640
Ulrich, M., see Luong, T.T. 352 (1994) 96
Urakawa, J., see Mimashi, T. 352 (1994) 128
Urakawa, J., T. Naito, H. Hayano, T. Mimashi, S. Araki, T. Kawamoto and Y. Otake, Gun trigger system for the ATF. 352 (1994) 207
Uvarov, V.L., see Boriskin, V.N. 352 (1994) 61

van der Laan, J.B., see Hart, R.G.K. 352 (1994) 366
van der Velde, J.C., see Becker-Szendy, R. 352 (1995) 629
Varentsov, D.V., see Varentsov, V.L. 352 (1995) 542
Varentsov, V.L., D.R. Hansevarov and D.V. Varentsov, The generation of an internal molecular-beam target from expensive gaseous and nonvolatile substances for storage rings 352 (1995) 542
Vashegyi, T., see Bongers, N. 352 (1994) 193
v. Egan-Krieger, G., T. Stein and J. Rahn, Object oriented device control using the CAN bus 352 (1994) 204
Veitch, E., see Mato, P. 352 (1994) 247
Veneziano, S., see Bacci, C. 352 (1995) 552
Verdier, P., see Epaud, F. 352 (1994) 226
Verhagen, H., see Mertens, V. 352 (1994) 144
Verhagen, H., see Carlier, E. 352 (1994) 173
Verzocchi, M., see Bacci, C. 352 (1995) 552
Vetrov, P., see Bardik, Yu. 352 (1994) 421
Vinot, L., see Barillere, R. 352 (1994) 492
Vitturi, S., see Hemming, O.N. 352 (1994) 476

Wade, D., see Dohan, D.A. 352 (1994) 393
Wade, D., see Osberg, E.A. 352 (1994) 434
Walchshäusl, B., see Rohrer, L. 352 (1994) 82
Wallander, A., Operating telescopes remotely 352 (1994) 258
Walzel, G., see Bacci, C. 352 (1995) 552
Wang, C.J., see Jan, G.J. 352 (1994) 33
Wang, C.J., J. Chen, J.S. Chen and G.J. Jan, The design schemes of graphic user interface database and intelligent local controller in the SRRC control system 352 (1994) 300
Wang, J., see Corker, V. 352 (1994) 47
Wang, J., see Murray, D. 352 (1994) 390
Wang, Y., see Zhao, J. 352 (1994) 158
Watanabe, K.Y., see Yamazaki, K. 352 (1994) 43
Waters, G., see Bishop, D. 352 (1994) 236
Watson, W., see Dalesio, L.R. 352 (1994) 179
Watson III, W.A., D. Barker, M. Bickley, P. Gupta and R.P. Johnson, The CEBAF accelerator control system: migrating from a TACL to an EPICS based system 352 (1994) 118
Weinert, A., see Hacker, U. 352 (1994) 28
Weinert, A., see Bongers, N. 352 (1994) 193
Weinert, A., U. Hacker, Ch. Haberbosch, K. Henn and M. Simon, RT/OS – realtime programming and application environment for the COSY control system 352 (1994) 277
Wildner, E., see Perreard, S. 352 (1994) 336
Williams, P.C., see Dougherty, W.M. 352 (1995) 569
Willmott, C., see Barillere, R. 352 (1994) 492
Wilmshurst, P.W., see Roberts, W.R. 352 (1994) 232
Wollès, J.C., see Kuhn, H.K. 352 (1994) 467
Wong, S., see Richards, J.E. 352 (1994) 398

Wright, R.M., see Kozubal, A.J. 352 (1994) 411
Wrochna, G., see Bacci, C. 352 (1995) 552
Wuest, C., see Becker-Szendy, R. 352 (1995) 629
Wulz, C.E., see Bacci, C. 352 (1995) 552

Yamaguchi, S., see Yamazaki, K. 352 (1994) 43
Yamamoto, N., see Mimashi, T. 352 (1994) 128
Yamanoi, Y., see Suzuki, Y. 352 (1994) 135
Yamazaki, J.-i., see Kanaya, N. 352 (1994) 166
Yamazaki, K., H. Kaneko, S. Yamaguchi, K.Y. Watanabe, Y. Taniguchi, O. Motojima and LHD group, Design of the central control system for the Large Helical Device (LHD) 352 (1994) 43
Yan, Y., see Zhao, J. 352 (1994) 158
Yasuoka, K., see Aota, S. 352 (1995) 557
Yogendran, P.J., see Mouat, M.M. 352 (1994) 107
Yokomizo, H., see Yoshikawa, H. 352 (1994) 216
Yoshida, Y., see Kobayashi, T. 352 (1995) 640
Yoshikawa, H., Y. Itoh, K. Tamezane, Y. Sakaki, M. Kodera and H. Yokomizo, Class structure of the Injector Linac control system of SPring-8 . . . . . 352 (1994) 216
Young, J., W. Brown, Jr., C. Cork, K. Fowler, T. Gimpel, S. Lewis, M. McEvoy, D. Meaney, P. Molinari, D. Peterson, G. Portmann, A. Robb and C. Timossi, Status report on the Advanced Light Source control system, 1993 . . . . . 352 (1994) 112
Yourpalov, V., see Elin, A. 352 (1994) 271
Yu, Y., see Zhao, J. 352 (1994) 158
Yupinov, Yu., see Kuznetsov, S. 352 (1994) 161
Yurpalov, V., see Kopylov, L. 352 (1994) 424

Zaitsev, V.I., Yu.V. Papazyan and V.N. Savochkin, Experience of CAD application for the software design of a control and measuring system with changeable configuration 352 (1994) 418
Zamyatin, N.I., see Baturitsky, M.A. 352 (1995) 604
Zanello, L., see Bacci, C. 352 (1995) 552
Zatopek, J., see Corker, V. 352 (1994) 47
Zavada, A.V., see Boriskin, V.N. 352 (1994) 61
Zelepoukin, S., see Elin, A. 352 (1994) 271
Zelepoukine, S., see Trofimov, N. 352 (1994) 274
Zhan, M., see Zhao, J. 352 (1994) 158
Zhao, J., Y. Yan, M. Zhan, Y. Yu, H. Luo, Y. Wang and X. Geng, Status of the BEPC control system 352 (1994) 158
Zharkov, E., see Trofimov, N. 352 (1994) 274
Zhelamsky, M.V., see Gerasimov, V.P. 352 (1994) 176
Ziock, H., see Shaheen, S. 352 (1995) 573
Zúñiga G., A., see Bigazzi, G. 352 (1995) 588

ELSEVIER

Nuclear Instruments and Methods in Physics Research A 352 (1995) 686–691

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

Subject index

Accelerators, Beam Handling and Targets

Performance of beamline X8C at the NSLS, R.W. Alkire, M. Sagurton, F.D. Michaud, W.J. Trela, R.J. Bartlett and R. Rothe 352 (1995) 535
The generation of an internal molecular-beam target from expensive gaseous and nonvolatile substances for storage rings, V.L. Varentsov, D.R. Hansevarov and D.V. Varentsov 352 (1995) 542
Ionization fluctuations in very thin absorbers, V.M. Grishin, A.P. Kostin, S.K. Kotelnikov and D.G. Streblechenko (*Letter to the Editor*) 352 (1995) 659
The criterion for the coupling states between cavities with losses, J. Gao (*Letter to the Editor*) 352 (1995) 661

Instruments and Methods for High Energy Physics

Comments on "liquid xenon ionization and scintillation studies for a totally active-vector electromagnetic calorimeter", M. Miyajima, S. Sasaki and E. Shibamura 352 (1995) 548
Test of a resistive plate chamber operating with low gas amplification at high intensity beams, C. Bacci, C. Bencze, R. Cardarelli, F. Ceradini, G. Ciapetti, A. Di Ciaccio, F. Lacava, A. Nisati, D. Orestano, E. Petrolo, L. Pontecorvo, E. Radermacher, R. Santonico, C. Seez, F. Szoncso, S. Veneziano, M. Verzocchi, G. Walzel, G. Wrochna, C.E. Wulz and L. Zanello 352 (1995) 552
A scintillating tile/fiber system for the CDF plug upgrade EM calorimeter, S. Aota, T. Asakawa, K. Hara, E. Hayashi, S. Kim, K. Kondo, T. Kuwabara, S. Miyashita, H. Nakada, I. Nakano, Y. Seiya, K. Takikawa, H. Toyoda, T. Uchida, K. Yasuoka, M. Mishina, J. Iwai, M. Albrow, J. Freeman and P.J. Limon 352 (1995) 557
A method for determining drift cell wire tensions using conventional front-end electronics, W.M. Dougherty and P.C. Williams 352 (1995) 569
Characterization and quality control of silicon microstrip detectors with an infrared diode laser system, S. Shaheen, J. Boissevain, W. Collier, B.V. Jacak, J.S. Lock, P. Roybal, J. Simon-Gillo, W. Sondheim, J.P. Sullivan and H. Ziock 352 (1995) 573

Instruments and Methods for Nuclear Spectroscopy

Opportunity for intense multi-100 MeV γ-ray beams for nuclear physics research, P.L. Csonka 352 (1995) 579
Nuclear spectroscopy using lasers at Oak Ridge National Laboratory: experiments with stable (past) and radioactive (future) tandem beams, H.A. Schuessler, E.C. Benck, F. Buchinger and H.K. Carter 352 (1995) 583
New statistical function for the angular distribution of evaporation residues produced by heavy ions, J. Rigol (*Letter to the Editor*) 352 (1995) 663
Report on the X-ray efficiency and time response of a 1 cm^2 reach through avalanche diode, A.Q.R. Baron (*Letter to the Editor*) 352 (1995) 665

Neutron Physics

Absolute thermal neutron fluence determination by thin film of natural uranium, G. Bigazzi, J.C. Hadler N., P.J. Iunes, M. Oddone, S.R. Paulo and A. Zúñiga G. 352 (1995) 588
Measurements of epithermal neutron depolarization using a polarized rare earth target, V.P. Alfimenkov, Yu.D. Mareev, V.V. Novitsky, L.B. Pikelner, V.R. Skoy, C.R. Gould, D.G. Haase and N.R. Roberson 352 (1995) 592
Design and construction of a thermal neutron target for the RPI linac, Y. Danon, R.C. Block and R.E. Slovacek 352 (1995) 596

0168-9002/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Computer Automated Measurement and Control

Proceedings of the International Conference on Accelerator and Large Experimental Physics Control Systems (Berlin, Germany, October 18–22, 1993)

Section I. Opening address

Behind the scene of experimental physics controls, A. Daneels 352 (1994) 1

Section II. Status and system architecture reports

II(a). New projects and systems being commissioned

Controls for RHIC, a progress report, D.S. Barton 352 (1994) 6
Status of the Advanced Photon Source and its accelerator control system, W. McDowell, M. Knott and M. Kraimer . . 352 (1994) 13
Controls for the Tesla test facility status and future plans, M. Clausen 352 (1994) 16
Cryogenic controls for the TESLA test facility, M. Clausen, Chr. Gerke, U. Knopf, S. Rettig and B. Schoeneburg . . . 352 (1994) 19
Experience with a Standard Model '91 based control system at the ESRF, A. Götz, W.-D. Klotz, C. Hervé, E. Taurel, J. Meyer, P. Mäkijärvi, T. Mettälä, J.-M. Chaize, G. Pepellin and F. Epaud 352 (1994) 22
COSY Control Status. First results with rapid prototyped man–machine interface for accelerator control, U. Hacker, Ch. Haberbosch, K. Henn and A. Weinert 352 (1994) 28
Computer control and instrumentation system at the SRRC, G.J. Jan, J.S. Chen, C.J. Wang, J. Chen, T.F. Lin, K.T. Pan, G. Lin, C.H. Kuo, G. Huang, K.Y. Kuo, K.H. Hu, K.T. Hsu, T.S. Ueng and G.H. Luo 352 (1994) 33
The HIMAC synchrotron control system, E. Takada, K. Sato, T. Kohno, M. Kumada, K. Noda, A. Itano, M. Kanazawa, M. Sudo, S. Hashimoto, T. Nakayama, H. Tanaka, E. Hishitani and N. Tsuzuki 352 (1994) 40
Design of the central control system for the Large Helical Device (LHD), K. Yamazaki, H. Kaneko, S. Yamaguchi, K.Y. Watanabe, Y. Taniguchi, O. Motojima and LHD group 352 (1994) 43
Software architecture of the SSC accelerator systems string test, V. Corker, N. Kallas, S. Lee, D. Murray, J. Wang and J. Zatopek 352 (1994) 47
The SSCL process control system, T. Moore, R. Bork, J. Heefner and S. Basiti 352 (1994) 50
Beam transport system for the new IUCF polarized ion source, W.P. Jones, T. Ellison, J. Collins, P. Schwandt and D. DuPlantis 352 (1994) 53
Present status of the UNK control system at IHEP, A. Sytin 352 (1994) 56
Control system for a linear resonance accelerator of intense electron beams, V.N. Boriskin, N.I. Aizatsky, Yu.I. Akchurin, V.A. Gurin, N.V. Demidov, A.N. Dovbnya, A.V. Zavada, V.A. Kushnir, S.P. Levandovsky, V.V. Mitrochenko, A.N. Savchenko, Yu.D. Tur and V.L. Uvarov 352 (1994) 61
Status and prospects of the ELETTRA control system, D. Bulfone 352 (1994) 63
The Elettra beam line control system, M. Mignacco, A. Abrami and Z. Dequal 352 (1994) 67
Commissioning and operation of the control system of the LISA superconducting linac, L. Catani, G. Di Pirro, C. Milardi, A. Stecchi and L. Trasatti 352 (1994) 71
Concept design of a control system for the SUBARU Telescope, T. Sasaki, Y. Chikada, R. Ogasawara, S. Ichikawa, W. Tanaka, T. Noguchi and K. Okita 352 (1994) 75
The TR13 control system for automatic isotope production, D.J. Dale, T. Ewert, D. Harrison, J. Lam and R. Keitel . . 352 (1994) 79
The tandem Tritron control system, a status report, L. Rohrer, H. Schnitter, A. Cazan, E. Jakubowska and B. Walchshäusl 352 (1994) 82

II(b). System upgrades and rejuvenation

The New CERN PS control system overview and status, F. Perriollat and C. Serre 352 (1994) 86
The new CERN PS timing system, J. Lewis and V. Sikolenko 352 (1994) 91
NODAL – The second life of the accelerator control language, G. Cuisinier, F. Perriollat, P. Ribeiro, A. Kagarmanov and V. Kovaltsov 352 (1994) 94
The new accelerator control system of GANIL, T.T. Luong, L. David, P. Duneau, P. De Saint Jores, E. Lécorché, E. Lemaître, P. Lermine, J.M. Loyant, C. Maugeais, F. Régnault, J.F. Rozé, A. Souf and M. Ulrich 352 (1994) 96
An object-oriented linac control system, J.M. Chaize, F. Barale, L. Claustre and P. Pinel 352 (1994) 103
Update on the TRIUMF Central Control System, M.M. Mouat, D.A. Diel, P.A. Grant, E. Klassen, K.S. Lee, G.A. Ludgate, J.E. Richards, P.J. Yogendran and S.G. Kadantsev 352 (1994) 107
Status report on the Advanced Light Source control system, 1993, J. Young, W. Brown, Jr., C. Cork, K. Fowler, T. Gimpel, S. Lewis, M. McEvoy, D. Meaney, P. Molinari, D. Peterson, G. Portmann, A. Robb and C. Timossi 352 (1994) 112
NSLS control system upgrade, J.D. Smith, S. Ramamoorthy and Y.N. Tang 352 (1994) 114
The CEBAF accelerator control system: migrating from a TACL to an EPICS based system, W.A. Watson III, D. Barker, M. Bickley, P. Gupta and R.P. Johnson 352 (1994) 118
Upgrading the telescope control system of the Nobeyama Radio Observatory, K.-I. Morita and T. Takahashi 352 (1994) 122
VME and network applications for the JT-60U control system, T. Kimura 352 (1994) 125

The rejuvenation status of TRISTAN accelerator control system, T. Mimashi, A. Akiyama, S. Araki, K. Kudoh, I. Komada, T. Kawamoto, S. Kurokawa, T. Naitoh, S. Takeda, J. Urakawa, T. Takashima, K. Furukawa, J. Navratil, K. Oide and N. Yamamoto 352 (1994) 128
New control system with VME and workstations for the KEK e^-/e^+ linac, N. Kamikubota, K. Furukawa, K. Nakahara and I. Abe 352 (1994) 131
Magnet power supplies and beam line control for the KEK experimental halls, Y. Suzuki, M. Takasaki, M. Minakawa, H. Ishii, Y. Kato, M. Ieiri, K.H. Tanaka, H. Noumi and Y. Yamanoi 352 (1994) 135
How to upgrade a control system for a tokamak, W. Tenten, U. Dohms, L. Fuß, H. Huppertz, J. Lerch, K.D. Müller, P. Reinhart and F. Rongen 352 (1994) 137
Object oriented design in the AGSDCS alarm system, J.T. Morris 352 (1994) 141
The new control system for the LEP Pretzel separators, V. Mertens, A. Aimar, P. Bobbio, E. Carlier, J.H. Dieperink, B. Goddard, M. Laffin and H. Verhagen 352 (1994) 144
An inexpensive analog function generator in VME standard, W. Heinze and R. Maccaferri 352 (1994) 147

II(c). Progress reports

Status report of the PSI accelerator control system, the tools provided for operation of the accelerator, T. Blumer, D. Aničić, I. Jirousek, A. Mezger, L. Sekolec and Z. Šoštarić 352 (1994) 150
Status of the BEPC control system, J. Zhao, Y. Yan, M. Zhan, Y. Yu, H. Luo, Y. Wang and X. Geng 352 (1994) 158
Control system of the synchrotron radiation source SIBERIA, S. Kuznetsov, A. Kadnikov, Yu. Krylov, Yu. Yupinov and E. Levichev 352 (1994) 161
Gracefully-degraded operationable control system for the UVSOR synchrotron radiation source and its operational experience, N. Kanaya, H. Hama, J.-i. Yamazaki, O. Matsudo and G. Isoyama 352 (1994) 166
Evolution of the SPS and LEP communication control network for the SPS and LEP accelerators, P. Lienard 352 (1994) 170
The control system for the LEP beam dump, E. Carlier, A. Aimar, J.L. Bretin, A. Marchand, V. Mertens and H. Verhagen 352 (1994) 173
Computer-aided system for cryogenic research facilities, V.P. Gerasimov, M.V. Zhelamsky, I.V. Mozin and S.S. Repin 352 (1994) 176

II(d). System architecture (hardware and software issues)

The experimental physics and industrial control system architecture: past, present, and future, L.R. Dalesio, J.O. Hill, M. Kraimer, S. Lewis, D. Murray, S. Hunt, W. Watson, M. Clausen and J. Dalesio 352 (1994) 179
Accelerator devices at persistent software objects, L.T. Hoff and J.F. Skelly 352 (1994) 185
Use of small stand-alone Internet nodes as a distributed control system, R.W. Goodwin, M.J. Kucera and M.F. Shea . . 352 (1994) 189
Steering and timing system solutions at the COSY accelerator facility, N. Bongers, U. Hacker, K. Henn, M. Simon, T. Vashegyi and A. Weinert 352 (1994) 193
The data driven alarm system for the CERN PS accelerator complex, J.-M. Bouche, J. Cuperus and M. Lelaizant . . . 352 (1994) 196
Controlling the UNK transfer line beam diagnostics, V. Gotsev, V. Gres, A. Dunaitsev, L. Kim, V. Komarov, S. Lapitsky, M. Matveev, V. Seleznev, P. Shevtsov, F. Solodovnik, A. Sytin and V. Terekhov 352 (1994) 199
Survey of hardware supported by the control system at the Advanced Photon Source, K.J. Coulter and G.J. Nawrocki . 352 (1994) 201
Object oriented device control using the CAN bus, G. v. Egan-Krieger, T. Stein and J. Rahn 352 (1994) 204
Gun trigger system for the ATF, J. Urakawa, T. Naito, H. Hayano, T. Mimashi, S. Araki, T. Kawamoto and Y. Otake . 352 (1994) 207
One-way data transfer for PLC to VME status reporting at the Advanced Photon Source, S.J. Stein 352 (1994) 210
Real-time UNIX in HEP data acquisition, S. Buono, I. Gaponenko, R. Jones, L. Mapelli, G. Mornacchi, D. Prigent, E. Sanchez-Corral, M. Skiadelli, A. Toppers, P.Y. Duval, D. Ferrato, A. Le Van Suu, Z. Qian, C. Rondot, G. Ambrosini, G. Fumagalli, M. Aguer and M. Huet 352 (1994) 213
Class structure of the Injector Linac control system of SPring-8, H. Yoshikawa, Y. Itoh, K. Tamezane, Y. Sakaki, M. Kodera and H. Yokomizo 352 (1994) 216
EPICS communication loss management, J.O. Hill 352 (1994) 218
A VXI message based communications driver and resource manager for EPICS, J.O. Hill 352 (1994) 221
Sharing limited Ethernet resources with a client–server model, D.M. Brownless and P.D. Burton 352 (1994) 224
VME image acquisition and processing using standard TV CCD cameras, F. Epaud and P. Verdier 352 (1994) 226
DEC TURBOchannel to CAMAC executive crate interface, W.R. Roberts, K.S. Lee, M.M. Mouat, E. Klassen, P.W. Wilmshurst and D.A. Diel 352 (1994) 232
Development of an autonomous 32-bit intelligent device controller, D. Bishop, G. Waters, D. Dale, T. Ewert, D. Harrison, J. Lam and R. Keitel 352 (1994) 236
Radiation effects on optical fiber links at the SSC, S. Hunt, S. Crivello and N. Mokhov 352 (1994) 239
Controls and informatics – the integration issue, R. Billinge and G. Shering 352 (1994) 244

II(e). Experimental physics control systems (large detectors)

The new slow control system for the ALEPH experiment at LEP, P. Mato, A. Engelhardt, J. Harvey, G. Mourouvapin, M. Saich, W. Tejessy, W. Cameron, M. Cattaneo, R. Fantechi, E. Mannelli, E. Veitch and O. Callot 352 (1994) 247

Control and monitoring of the DØ detector, S. Ahn, J.F. Bartlett, N. Denisenko, S. Fuess, A. Jonckheere, S. Krzywdzinski, L. Paterno, H. Prosper, R. Raja, J. Featherly, B. Gibbard and L. Rasmussen 352 (1994) 250

Section III. Distributed processing

BUBBANET – The SSC accelerator controls network, S. Hunt, P. Banta, K. Low and D. Mathieson 352 (1994) 254
Operating telescopes remotely, A. Wallander 352 (1994) 258
Remote procedure calls for accelerator control at CERN. Current status and future trends, K. Kostro 352 (1994) 262
Control protocol: large scale implementation at the CERN PS complex – a first assessment, H. Abie, G. Benincasa, G. Coudert, Y. Davydenko, C. Dehavay, R. Gavaggio, G. Gelato, W. Heinze, M. Legras, H. Lustig, L. Merard, T. Pearson, P. Strubin and J. Tedesco 352 (1994) 265
Control protocols for the UNK control system, A. Elin, L. Kopylov, A. Matyushin, M. Mikheev, E. Scherbakov, N. Trofimov, V. Yourpalov and S. Zelepoukin 352 (1994) 271
The equipment access software for a distributed UNIX-based accelerator control system, N. Trofimov, S. Zelepoukine, E. Zharkov, P. Charrue, C. Gareyte and H. Poirier 352 (1994) 274
RT/OS – realtime programming and application environment for the COSY control system, A. Weinert, U. Hacker, Ch. Haberbosch, K. Henn and M. Simon 352 (1994) 277
The DELPHI distributed information system for exchanging LEP machine related information, M. Dönszelmann and C. Gaspar 352 (1994) 280
A bus controller for MIL-1553B and Multibus II, V. Kotov, L. Dubovik and K. Rybaltchenko. 352 (1994) 283
The data exchange between LEP machine and its experiments – Recent developments, P.J. Brummer. 352 (1994) 285
Access control and security for a distributed control system, J. Meyer, A. Götz and W.D. Klotz 352 (1994) 289

Section IV. Databases

Virtual data, E. Bjorklund 352 (1994) 293
LEP accelerator logging system using on-line database, R. Billen, F. Bordry, C. Delamare, E. Hatziangeli and F. Roeber 352 (1994) 296
The design schemes of graphic user interface database and intelligent local controller in the SRRC control system, C.J. Wang, J. Chen, J.S. Chen and G.J. Jan 352 (1994) 300

Section V. High level controls

Smart feedback loops, A.S. Chepurnov, I.V. Gribov, K.A. Gudkov, A.V. Shumakov and V.I. Shvedunov. 352 (1994) 306
Adaptive optimization and control using neural networks, W.C. Mead, S.K. Brown, R.D. Jones, P.S. Bowling and C.W. Barnes 352 (1994) 309
Glish: a software bus for high-level control, V. Paxson. 352 (1994) 316
High level controls at RHIC, S. Peggs, C. Saltmarsh, T. Satogata and M. Fryer. 352 (1994) 322
A knowledge based control method: application to accelerator equipment setup, G. Daems, V. Filimonov, V. Homutnikov, F. Perriollat, Yu. Ryabov and P. Skarek 352 (1994) 325
A rule-based expert system for generating control displays at the Advanced Photon Source, K.J. Coulter 352 (1994) 329
Simulation facility for development of high level control code at the SSC, G. Bourianoff, B. Cole, M. Botlo, S. Hunt, A. Romero, N. Malitsky and A. Reshetov. 352 (1994) 333
Conditioning of high voltage radio frequency cavities by using fuzzy logic in connection with rule based programming, S. Perreard and E. Wildner 352 (1994) 336
A digital feedback system for transverse orbit stabilization in the NSLS rings, A. Friedman and E. Bozoki 352 (1994) 339

Section VI. Man–machine interfaces and machine operation

An integrated set of UNIX based system tools at control room level, F. Potepan, C. Scafuri, C. Bortolotto and G. Surace 352 (1994) 342
The operator interface to the equipment of the CERN PS accelerators, J. Cuperus, F. Di Maio and C.H. Sicard. 352 (1994) 346
Performance of the high level application software during LEP operation, R. Bailey, P. Collier and M. Lamont 352 (1994) 350
The graphics operator interface to control MAMI, H.-J. Kreidel, C. Klümper and K.W. Nilles. 352 (1994) 354
Installation and management of the SPS and LEP control system computers, A. Bland 352 (1994) 357
Visual observation of digitalised signals by workstations, J. Navratil, A. Akiyama and T. Mimashi 352 (1994) 361
The AmPS magnet control system, R.G.K. Hart, W.P.J. Heubers, J.B. van der Laan and A. Schimmel 352 (1994) 366
Program recording of user actions and its use in the Fermilab accelerator control system, B. Hendricks 352 (1994) 368

Section VII. Software engineering

VII(a). Software management and toolkits

Controlling software development, C. Mazza 352 (1994) 370
Fundamentals of object-oriented information systems specification and design: the OBLOG/TROLL approach, H.-D. Ehrich. 352 (1994) 375

VII(b). Software engineering applications

Object-oriented software construction at ALS, H. Nishimura 352 (1994) 379
Software engineering techniques and CASE tools in RD13, S. Buono, I. Gaponenko, R. Jones, A. Khodabandeh, L. Mapelli, G. Mornacchi, D. Prigent, E. Sanchez-Corral, M. Skiadelli, A. Toppers, P.Y. Duval, D. Ferrato, A. Le Van Suu, Z. Qian, C. Rondot, G. Ambrosini, G. Fumagalli, G. Polesello, M. Aguer and M. Huet 352 (1994) 383
Software engineering for ESO's VLT project, G. Filippi 352 (1994) 386
A development environment for the SSC control system, D. Murray, G. Martinsen and J. Wang 352 (1994) 390
RF control at SSCL – an object oriented design approach, D.A. Dohan, E. Osberg, R. Biggs, J. Bossom, K. Chillara, R. Richter and D. Wade 352 (1994) 393
Device access using C + + on VAX/OpenVMS, J.E. Richards, B. Davison, P.A. Grant, K.S. Lee, M.M. Mouat and S. Wong 352 (1994) 398
Shell software for smart subsystems with front-end capabilities, B. Lublinsky 352 (1994) 403
Modern design of a fast front-end computer, Z. Šoštarić, D. Aničić, L. Sekolec and J. Su 352 (1994) 407
Experience with the State Notation Language and Run-Time sequencer, A.J. Kozubal, D.M. Kerstiens and R.M. Wright 352 (1994) 411
Experience with case tools in the design of process-oriented software, O. Novakov and C.-H. Sicard 352 (1994) 415
Experience of CAD application for the software design of a control and measuring system with changeable configuration, V.I. Zaitsev, Yu.V. Papazyan and V.N. Savochkin 352 (1994) 418
Toolkit for UNK equipment controllers development, Yu. Bardik, A. Dunaitsev, E. Kallistratov, L. Kim, V. Komarov, V. Kovaltsov, A. Lukyantsev, A. Machnachev, A. Matyushin, G. Obukhov, V. Soloviev, A. Sytin, Yu. Tchernoousko, G. Tishin, N. Trofimov and P. Vetrov 352 (1994) 421
Tools for man–machine interface development in accelerator control applications, L. Kopylov, M. Mikhev, N. Trofimov and V. Yurpalov 352 (1994) 424
A simple generic software tool kit for distributed controls applications, V. Mertens, A. Aimar and E. Carlier 352 (1994) 427
Development of the LEP high level control system using ORACLE as an online database, R. Bailey, A. Belk, P. Collier, M. Lamont, G. de Rijk and M. Tarrant 352 (1994) 430
Three Object-Oriented enhancement for EPICS, E.A. Osberg, D.A. Dohan, R. Richter, R. Biggs, K. Chillara, D. Wade and J. Bossom 352 (1994) 434

Section VIII. Commercial products for control systems
VIII(a). Vendor presentations

Graphical object-oriented programming with LabVIEW, R. Jamal 352 (1994) 438
The status of Vsystem, P. Clout 352 (1994) 442
Application of the object-oriented paradigm for scientific experiment monitoring & control, T. Racaud and P. Assis-Arantes 352 (1994) 447

VIII(b). Applications integrating commercial products

Using LabVIEW for the design and control of digital signal processing systems. Simulation of the ultra slow extraction at COSY, G. Heinrichs, H. Rongen and R. Jamal 352 (1994) 449
DANTE: control system for DAΦNE based on Macintosh and LabVIEW, G. Di Pirro, C. Milardi, A. Stecchi and L. Trasatti 352 (1994) 455
On the use of the VAXELN toolkit for the cryogenic controls at DESY, M. Clausen, G. Csuka, G. Grygel, P. Shevtsov 352 (1994) 458
Equipment industrially controlled, R. Saban, P. Ciriani, A. Guiard-Marigny, H. Laeger, M. Rabany and A. Swift . . . 352 (1994) 461
Integrating a commercial industrial control system to the accelerator control system: a case study, F. Momal, J. Brahy, R. Saban and P. Sollander 352 (1994) 464
Specification, installation and commissioning of a large industrial control system for the LEP2 cryogenics, H.K. Kuhn, A.C. Juillerat, M. Rabany and J.C. Wollès 352 (1994) 467
The ISOLDE control system, I. Deloose and A. Pace 352 (1994) 471
The use of industrial type control and monitoring components for a large fusion experiment, O.N. Hemming, G. Manduchi, A. Luchetta, V. Schmidt and S. Vitturi 352 (1994) 476
Laboratory use of industrial control systems, A. Rijllart, L. Avot, D. Brahy, D. Jégou and R. Saban 352 (1994) 480

VIII(c). Panel discussion

Summary of session We-K Panel discussion on the topic: should we buy not build a control system?, P. Lucas, H.U. Bohn, C.-N. Duc, C. Mazza, F. Potepan and S. Trieste 352 (1994) 484

Section IX. Software sharing

EPICS: A control system software co-development success story, M. Knott, D. Gurd, S. Lewis and M. Thuot 352 (1994) 486
The Cortex project. A quasi-real-time information system to build control systems for high energy physics experiments, R. Barillere, H. Cabel, B. Chan, I. Goulas, J.M. Le Goff, L. Vinot, C. Willmott, H. Milcent and P. Huuskonen 352 (1994) 492

Virtual accelerator and fundamental guidelines towards sharable software for accelerator control systems, N. Kanaya . 352 (1994) 497
Panel session on software sharing, B. Kuiper, M. Clausen, P. Clout, A. Guiard-Marigny, W. Jones, S. Lewis, P. Lucas, W. McDowell, F. Perriollat and R. Saban 352 (1994) 501

Section X. Looking back

A LAMPF controls retrospective : the good, the bad, and "it seemed like a good idea at the time", S.C. Schaller . . . 352 (1994) 516
Small can be beautiful, S. Albrand and J.-C. Ravel 352 (1994) 521
Conference closing remarks, P. Clout 352 (1994) 525

Nuclear Electronics

Charge-sensitive preamplifier IC for silicon calorimetry at colliders, M.A. Baturitsky, V.A. Chekhovsky, I.F. Emel'yanchik, N.M. Shumeiko, I.A. Golutvin, N.I. Zamyatin and O.V. Dvornikov 352 (1995) 604
A fast signal processor for NaI(Tl) detectors, S.V. Dudin, O.V. Ignatyev and A.D. Pulin 352 (1995) 610
A simple dual spectroscopy amplifier, O.V. Ignatyev and A.D. Pulin 352 (1995) 614

Numerical and Data Analysis

TSC data-analysis on heavily irradiated silicon detectors, M. Bruzzi 352 (1995) 618

Dosimetry, Space Radiation and Medical Applications

Demonstration of phase-contrast X-ray computed tomography using an X-ray interferometer, A. Momose 352 (1995) 622
Calibration of the IMB detector, R. Becker-Szendy, R.M. Bionta, C.B. Bratton, D. Casper, R. Claus, B. Cortez, S.T. Dye, S. Errede, G.W. Foster, W. Gajewski, K. Ganezer, M. Goldhaber, T.J. Haines, P.G. Halverson, E. Hazen, T.W. Jones, D. Kielczewska, W.R. Kropp, J.G. Learned, J.M. Losecco, S. Matsuno, J. Matthews, G. McGrath, C. McGrew, R. Miller, M.S. Mudan, H.S. Park, L.R. Price, F. Reines, J. Schultz, S. Seidel, D. Sinclair, H.W. Sobel, J.L. Stone, L.R. Sulak, R. Svoboda, G. Thornton, J.C. van der Velde and C. Wuest 352 (1995) 629

Synchrotron Radiation Research

Single bunched beam generation without subharmonic prebuncher, T. Kobayashi, T. Ueda, Y. Yoshida, T. Kozawa, M. Uesaka, K. Miya, H. Kobayashi and S. Tagawa 352 (1995) 640
The isochronous storage ring free electron laser, K. LaMon 352 (1995) 644

Special Applications

A dual-mode industrial CT, M.S. Rapaport, A. Gayer, E. Iszak, C. Goresnic, A. Baran and E. Polak 352 (1995) 652

Letters to the Editor

Ionization fluctuations in very thin absorbers, V.M. Grishin, A.P. Kostin, S.K. Kotelnikov and D.G. Streblechenko . . 352 (1995) 659
The criterion for the coupling states between cavities with losses, J. Gao 352 (1995) 661
New statistical function for the angular distribution of evaporation residues produced by heavy ions, J. Rigol 352 (1995) 663
Report on the X-ray efficiency and time response of a 1 cm^2 reach through avalanche diode, A.Q.R. Baron 352 (1995) 665

Erratum

Erratum to "The use of a pseudo-random spin flipper sequence on a polarised neutron scattering instrument" [Nucl. Instr. and Meth. A 314 (1992) 155–162], L.D. Cussen, J.C. Osborn, P. Gibbs and T.J. Hicks 352 (1995) 668